

Work Order ID 55699

January 28, 2010 7:20:15 AM

Page 1

Item ID: D205-541-142

Accept

Revision ID:

Item Name: Heli-Utility-Basket, RH

Setup Start

Stop

Start Date: 1/28/10 Start Qty: 1.00

Required Date: 1/29/10 Req'd Qty: 1.00

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D205-541

H-PRELIM

D4041

PA3

100

0.00



DC

DOCUMENT CONTROL

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPPD205-541-142

CHG001

110

0.00



Small Fab

Small Fab

Memo

0.00

Small Fab

Assemble basket as per Dwg.

GP/01/29 @

Work Order ID 55699

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Item ID: D205-541-142

Accept



Setup Start



Revision ID:

Stop



Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10 Start Qty: 1.00



Cust Item ID:

Required Date: 1/29/10 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 	QC5- Inspect part completeness to step on W/O	0.00							
QC Quality Control	Memo	0.00							
130 	Pick Kit	0.00							
Packaging	Memo	0.00							
Packaging									
140 	QC4- 100% Inspect kits for completeness	0.00							
QC Quality Control	Memo	0.00							

R.D. 2026 Feb.

+ Prototype
+ 10-01-30
+ 10-02-02 H.

10-1-29 (10) SP

Work Order ID 55699

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Page 3

Item ID: D205-541-142

Accept

Setup Start

Revision ID:

Stop

Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10 Start Qty: 1.00

Cust Item ID:

Required Date: 1/29/10 Req'd Qty: 1.00

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

150

0.00

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPPD205-541-142

Location: _____

PPP Rev: _____

160

0.00

QC

QC21- Final Inspection - Work Order Release

Memo

0.00

Quality Control

SITIVE RECALL
EFFECTIVE 1/28/10 AUTH
BASED DATE

4100209

Picklist Print

Page 1

January 28, 2010 7:19:28 AM

Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D4042-042 		Manufactured	No			110	Each	0.0000	1.0000			
Short Basket Base Assembly, RH												
D4047-041 		Manufactured	No			110	Each	0.0000	1.0000			
Short Basket Lid Assembly, LH												
D2530 		Manufactured	No			110	Each	4.0000	1.0000			
Handle Weldment												

55262

55242

10-1-29

sf

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

4

53922

4

1

D4053-1

Manufactured No

110

Each

0.0000

1.0000

Placard

D3969-3

Manufactured No

110

Each

0.0000

1.0000

Spring (Basket Lid)

D2537

Manufactured No

110

Each

75.0000

2.0000

Bushing

10-1-29 10 sf

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

75

52994

15

53181

60

22

D2535

Picklist Print

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Page 2

Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D3953-3 Manufactured No



Gas Spring Stud, Lid

110

Each

19.0000

2.0000



10-1-29

sl

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST139B

19

53757

19

2

D3953-7 Manufactured No



Spring Spacer

110

Each

38.0000

2.0000



10-1-29

sl

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST139

38

52758

2

53970

36

2

D3953-9 Manufactured No



Gas Spring Washer

110

Each

72.0000

2.0000



10-1-29

sl

sl

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST139C

72

53642

72

2

January 28, 2010 7:19:29 AM

Shop Packet Print

Page 2

Picklist Print

January 28, 2010 7:19:29 AM

Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3953-17 Gas Spring Spacer		Manufactured	No			110	Each	7.0000	2.0000 			

10-1-29

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

7

52763

7

D3953-19 Gas Spring Bracket	Manufactured	No			110	Each	0.0000	1.0000 				
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D3953-21 Gas Spring Bracket	Manufactured	No			110	Each	0.0000	1.0000 				
------------------------------------	--------------	----	--	--	-----	------	--------	------------	--	--	--	--

D3917-3 Spacer	Manufactured	No			110	Each	5.0000	6.0000 				
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Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

5

48402

5

BSS 035

Picklist Print

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Work Order ID: 55699

Parent Item: D205-541-142

Parent Item Name: Heli-Utility-Basket, RH


Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Date: 1/28/10

Required Date: 1/29/10

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN310-4  NUT		Purchased	No			110	Each	38.0000	5.0000			

10-1-29

SP

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

38

112969

10

113237

8

113422

20

5

AN3-14A

Bolt

Purchased No

110 Each

78.0000 4.0000



10-1-29 SP

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

78

105953

15

109754

63

4

AN3-16A

Bolt

Purchased No

110 Each

51.0000 2.0000



10-1-29 @SP

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

51

111965

51

2

Picklist Print

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Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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AN4-12		Purchased	No			110	Each	31.0000	3.0000			
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Bolt

10-1-29 SP

Warehouse Location	Loc Qty	Loc Code
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Main Warehouse

ST	31	
(104016)	31	

3

AN5-17A		Purchased	No			110	Each	97.0000	4.0000			
---------	--	-----------	----	--	--	-----	------	---------	--------	--	--	--



Bolt

10-1-29

SP

Warehouse Location	Loc Qty	Loc Code
-----------------------	---------	----------

Main Warehouse

ST	97	
102140	4	
107939	2	
110625	2	
112314	1	
(113422)	38	
113538	50	

4

Picklist Print

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Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS21042L3 Nut		Purchased	No			110	Each	2,943.000	6.0000		1-0 1-29	

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST	2943	
110844	35	
111274	27	
111668	52	
112314	331	
112385	498	
113523	300	
113537	700	
113644	1000	

MS21042L5 Nut	Purchased	No				110	Each	546.0000	4.0000		10-1-29	
----------------------	-----------	----	--	--	--	-----	------	----------	--------	--	---------	--

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST	546	
110382	10	
111636	1	
112314	35	
113523	300	
113537	200	

Picklist Print

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Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

MS24665-231

Purchased

No

110

Each

0.0000

5.0000



cotter pin

NAS1149F0363P

Purchased

No

110

Each

96.0000

4.0000



Washer

M113815 10-1-29 SP

10-1-29 SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

96

113254

96

NAS1149C0463R

Purchased

No

110

Each

50.0000

1.0000



Washer

4

10-1-29 SP

SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

50

112314

50

3

Picklist Print

January 28, 2010 7:19:32 AM

Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

NAS1149F0563P Purchased

No

110

Each

112.0000

4.0000



Washer

10-1-29

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

112

108099

16

108471

96

DSI 9302-011 Manufactured

No

130

Each

3.0000

1.0000



Strut Modification

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

FG

3

23377

3

D2022-101 Manufactured

No

130

Each

443.0000

2.0000



Spacer

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST504

443

45885

243

50746

100

52325

100

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Shop Packet Print

Picklist Print

January 28, 2010 7:19:47 AM

Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2332-041 		Manufactured	No			130	Each	3.0000	1.0000			
Lid Prop Assembly 6.69" long												

Warehouse Loc Qty Loc Code

Location

Main Warehouse

572

3

51969

3

D2464

Manufactured No

130

f

720.3810

3.4166



3/4 Seal

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

720.3809737

39669

89.87

48173

630.510974

(D2464-0410) cut (1) at 41.00"

D3953-9

Manufactured No

130

Each

72.0000

2.0000



Gas Spring Washer

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST139C

72

53642

72

Picklist Print

January 28, 2010 7:19:47 AM

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Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D4048-042 		Manufactured	No			130	Each	0.0000	1.0000			55746
Mounting Lug Assembly, RH												
D4048-6 		Manufactured	No			130	Each	0.0000	1.0000			55690
Mounting Lug												
D4048-8 		Manufactured	No			130	Each	0.0000	1.0000			55692
Mounting Lug												
D4049-042 		Manufactured	No			130	Each	0.0000	1.0000			55684
Mounting Lug Assembly, RH												
D4049-8 		Manufactured	No			130	Each	0.0000	1.0000			55601
Mounting Lug, RH												
D4048-9 		Manufactured	No			130	Each	0.0000	6.0000			55693
Bushing												
D4050-1 		Manufactured	No			130	Each	0.0000	1.0000			55234/10/02/02 55820
Strut												
D4050-3 		Manufactured	No			130	Each	0.0000	1.0000			55235/10/02/02 55821
Strut												
D4050-8 		Manufactured	No			130	Each	0.0000	1.0000			55547/10/02/02 55822
Strut												

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Shop Packet Print

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Picklist Print

January 28, 2010 7:19:52 AM

Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D4051-042 		Manufactured	No			130	Each	0.0000	1.0000			
Bar Deflector Assembly, RH												
D4052-1 		Manufactured	No			130	Each	0.0000	2.0000			
Eye Bolt												
AN3-5A 		Purchased	No			130	Each	1,799.000	6.0000			
Bolt												

55666

55237 / 10/02/02
55825

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 1799
100188 188
105057 1611

AN3-7A



Purchased

No

130

Each

109.0000

1.0000

Bolt

10-01-29

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 109
110704 2
111127 2
113226 5
113539 100

N/A

Picklist Print

January 28, 2010 7:19:52 AM

Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN3-11A 		Purchased	No			130	Each	261.0000	4.0000			
Bolt												

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

261

N/A

109927

29

110865

181

14820

51

AN4-6A

Purchased

No

130

Each

1,539.000

5.0000

Bolt

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

1539

112314

139

112641

100

112720

100

112829

300

112933

300

113149

600

10.01.29

Picklist Print

January 28, 2010 7:19:58 AM

Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN4-7A 		Purchased	No			130	Each	295.0000	1.0000			
Bolt												

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

295

113226

295

AN4-12A 		Purchased	No			130	Each	378.0000	2.0000			
Bolt												

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

378

105143

1

111605

13

111925

56

112314

300

6071

8

AN4-14A 		Purchased	No			130	Each	417.0000	11.0000			
Bolt												

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

417

113359

417

January 28, 2010 7:19:58 AM

Shop Packet Print

Picklist Print

January 28, 2010 7:19:58 AM

Work Order ID: 55699

Parent Item: D205-541-142

Parent Item Name: Heli-Utility-Basket, RH


Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Date: 1/28/10

Required Date: 1/29/10


Start Qty: 1.00

Required Qty: 1.00


Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN4-16A  Bolt		Purchased	No			130	Each	96.0000	1.0000			

18 10-01-29


<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	96	
112969	94	
18949	2	

AN960JD10 	Purchased	No				130	Each	0.0000	5.0000			
---	-----------	----	--	--	--	-----	------	--------	--------	--	--	--

W/A

Washer AN960JD10L 	Purchased	No				130	Each	4,003.000	6.0000			
--	-----------	----	--	--	--	-----	------	-----------	--------	--	--	--

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	4003	
101291	16	
105793	49	
110985	3938	

AN960JD416 	Purchased	No				130	Each	0.0000	38.0000			
--	-----------	----	--	--	--	-----	------	--------	---------	--	--	--

Washer

NA 51149 DO 463T

QSI 017

18 10-01-29
M 113288

M111808 18 10-01-29

Picklist Print

January 28, 2010 7:20:03 AM

Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN960JD416L		Purchased	No			130	Each	751.0000	4.0000			



Washer

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

751

105078

4

107008

54

108583

38

110153

255

112492

400

M10538

[Signature] 10-01-29

MS21042L3

Purchased

No

130

Each

2,943.000

5.0000



Nut

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

2943

110844

35

111274

27

111668

52

112314

331

112385

498

113523

300

113537

700

113644

1000

W1A

January 28, 2010 7:20:04 AM

Shop Packet Print

Picklist Print

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Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS21042L4		Purchased	No			130	Each	3,130.000	20.0000			



Nut



BB 10-01-29

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST	3130	
102552	6	
104248	6	
110507	184	
<u>111827</u>	1934	
113422	1000	
15924	0	

MS21043-4

Purchased

No

130

Each

605.0000

2.0000



Nut



BB 10-01-29

Warehouse Loc Qty Loc Code
Location

OFFSHORE

FG	40	
104603	40	

Main Warehouse

ST	565	
112243	2	
112314	103	
<u>112492</u>	11	
<u>113064</u>	449	

Picklist Print

January 28, 2010 7:20:09 AM

Work Order ID: 55699



Parent Item: D205-541-142



Parent Item Name: Heli-Utility-Basket, RH

Start Date: 1/28/10

Required Date: 1/29/10

Comments: IPP RevA: new issue DD 10.01.27 verified by:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

MS21071L3		Purchased	No			130	Each	64.0000	1.0000			
-----------	--	-----------	----	--	--	-----	------	---------	--------	--	--	--



ANCHOR NUT



10.01.29

Warehouse Location	Loc Qty	Loc Code
-----------------------	---------	----------

Main Warehouse

ST

64

102587

64

MS21075L3		Purchased	No			130	Each	129.0000	2.0000			
-----------	--	-----------	----	--	--	-----	------	----------	--------	--	--	--



Nutplate



10.01.29

Warehouse Location	Loc Qty	Loc Code
-----------------------	---------	----------

Main Warehouse

ST

129

112991

13

113734

116

MS21086L3		Purchased	No			130	Each	27.0000	1.0000			
-----------	--	-----------	----	--	--	-----	------	---------	--------	--	--	--



Nut Plate



10.01.29

Warehouse Location	Loc Qty	Loc Code
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Main Warehouse

ST

27

112219

27

N 102380

PRELIMINARY ISSUE

D205-541
Page 1 of 32

DART AEROSPACE LTD.
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PRELIMINARY ISSUE
FOR OFFICE USE ONLY

W055099

INSTALLATION INSTRUCTIONS

D205-541

Heli-Utility-Basket™

BELL 205/210/212/214/412 MODELS

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: _____
D. SHEPHERD (DE # 02)

DATE: Jan. 22, 2010
CERT. NO.: SH96-120
ISSUE NO.: ISSUE #3

Prepared By: R. Fuentes
R. Fuentes
Mechanical Designer

Checked By: _____
D. Shepherd, P.Eng
DE #02

Released By: _____
D. Shepherd, P.Eng
DE #02

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Revision: **H**
Date: 10.01.22

REVISION RECORD

Revision	Issue Date	Description
A	93.10.20	New Issue
C	95.12.15	Changed Latch
D	96.08.13	Changed Latch
E	01.11.02	Re-Formatted. Remove -041 Installation. Add -043/-044 Installations
F	06.04.19	Add 210/214/412 Models Add 220 lb option
G	08.03.04	Add D205-541-045/-046/-047/-048; Reformat
H	10.01.22	Add D205-541-141/-142

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1.0
3.0

INTRODUCTION

PRELIMINARY ISSUE

The Dart D205-541-043/-044/-045/-046 Heli-Utility-Basket™ mounts to the 205/210/212/214/412 series of aircraft using the existing hardpoints at STA 84.29/129.00/155.06. The Heli-Utility-Basket™ is capable of carrying a distributed cargo load of 300 lb (136 kg). It is acceptable to install the D205-541-043/-044/-045/-046 Heli-Utility-Basket™ without the D3052-1 mounting lug & D2199-1 strut at STA 129. However, in this configuration, the basket is limited to 220 lb (100 Kg) and the D205-541-047/-048 Heli-Access-Step cannot be installed. The LH D205-541-043/-045 Heli-Utility-Basket™ and the RH D205-541-044/-046 Heli-Utility-Basket™ cannot be installed simultaneously.

The **D205-541-043 Heli-Utility-Basket™** installs on the LH side of the aircraft and the **D205-541-044 Heli-Utility-Basket™** installs on the RH side of the aircraft. The D205-541-043/-044 Heli-Utility-Basket™ provides 32 ft³ volume of cargo space.

The **D205-541-045 Heli-Utility-Basket™** installs on the LH side of the aircraft and the **D205-541-046 Heli-Utility-Basket™** installs on the RH side of the aircraft. The D205-541-045/-046 Heli-Utility-Basket™ is lower in profile and provides 22 ft³ volume of cargo space.

The **D205-541-047 Heli-Access-Step™** installs on the LH D205-541-043/-045 Heli-Utility-Basket™ and the **D205-541-048 Heli-Access-Step™** installs on the RH D205-541-044/-046 Heli-Utility-Basket™. The D205-541-047/-048 Heli-Access-Step™ allows for passenger entry and egress on the side of the aircraft with the Heli-Utility-Basket™ installed. Note that installation of the Heli-Access-Step™ requires that all three (3) mounting lugs and all three (3) mounting struts of the Heli-Utility-Basket™ are installed.

Figure 1a shows the D205-541-044 **Heli-Utility-Basket™** installed on the aircraft. Figure 1b shows the D205-541-046 **Heli-Utility-Basket™** with the D205-541-048 **Heli-Access-Step™** installed on the aircraft.

The **D205-541-141 Heli-Utility-Basket™** installs on the LH side of the aircraft and the **D205-541-142 Heli-Utility-Basket™** installs on the RH side of the aircraft. The D205-541-141/-142 kits pick up on existing hardpoints at STA 129.00/155.06 as well as custom hardpoints at STA 177 and allow for simultaneous cargo carrying and rappelling operations on one or both sides of the aircraft as shown in Figures 1c/1d. The D205-541-141/-142 Heli-Utility-Basket™ provides 16.4 ft³ volume of cargo space. The D205-541-141/-142 Heli-Utility-Basket™ are compatible with the D205-633-011/-013/-015/-017 Heli-Access-Step™.

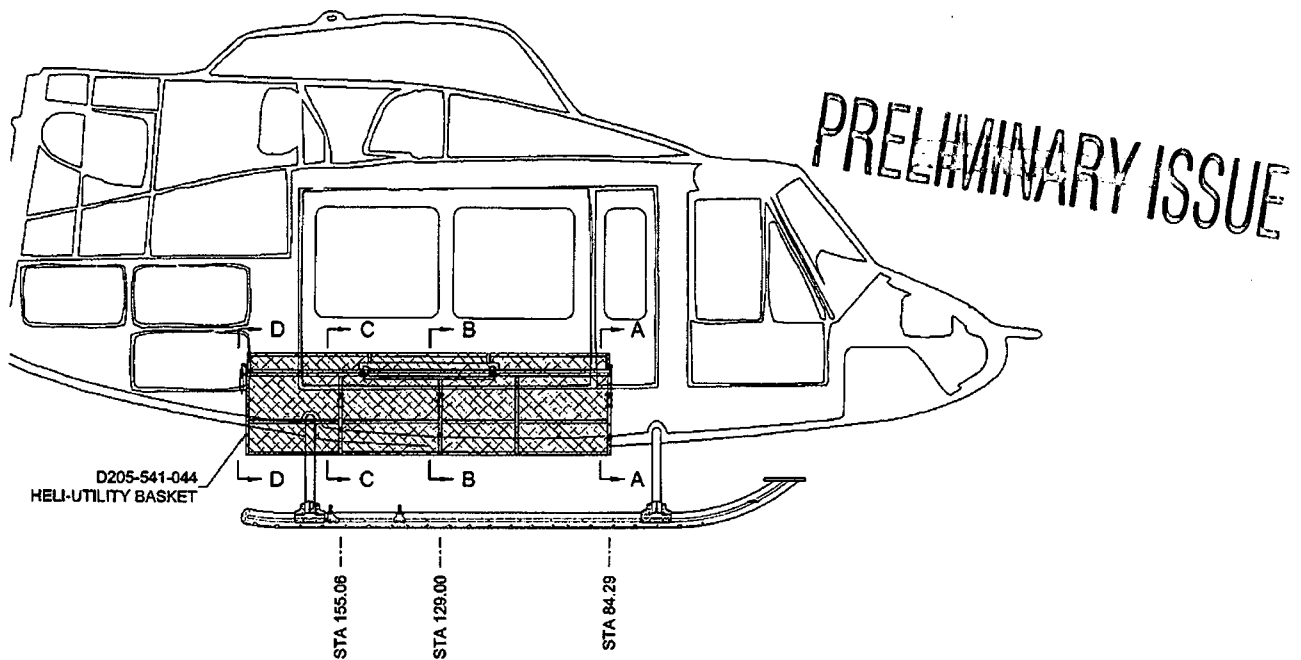


Figure 1a - D205-541-044 Heli-Utility-Basket™ - Side View Shown
(D205-541-043 Opposite)

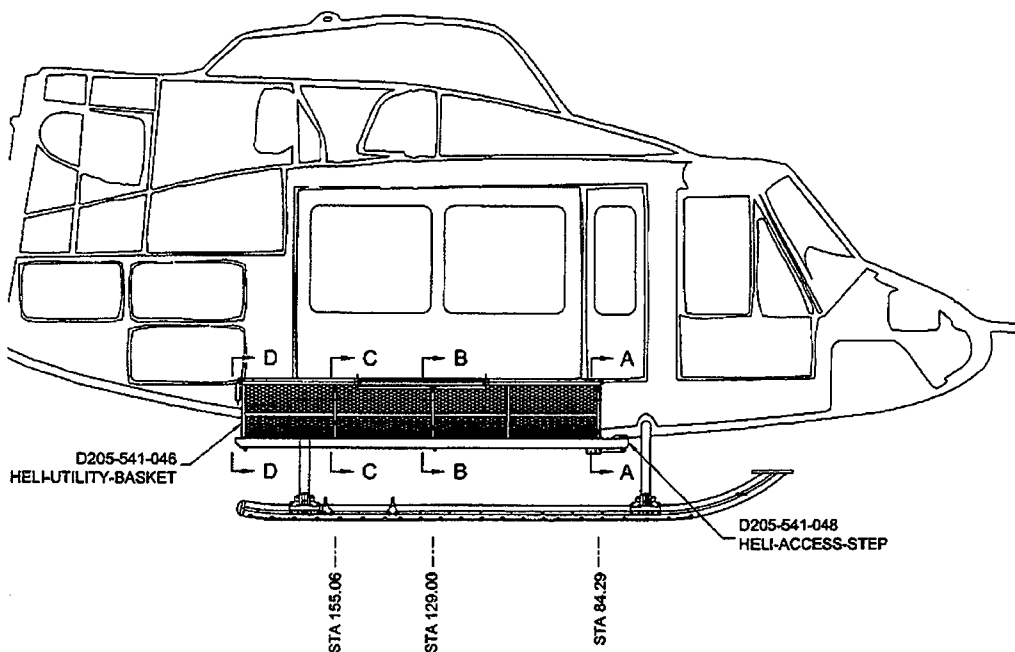
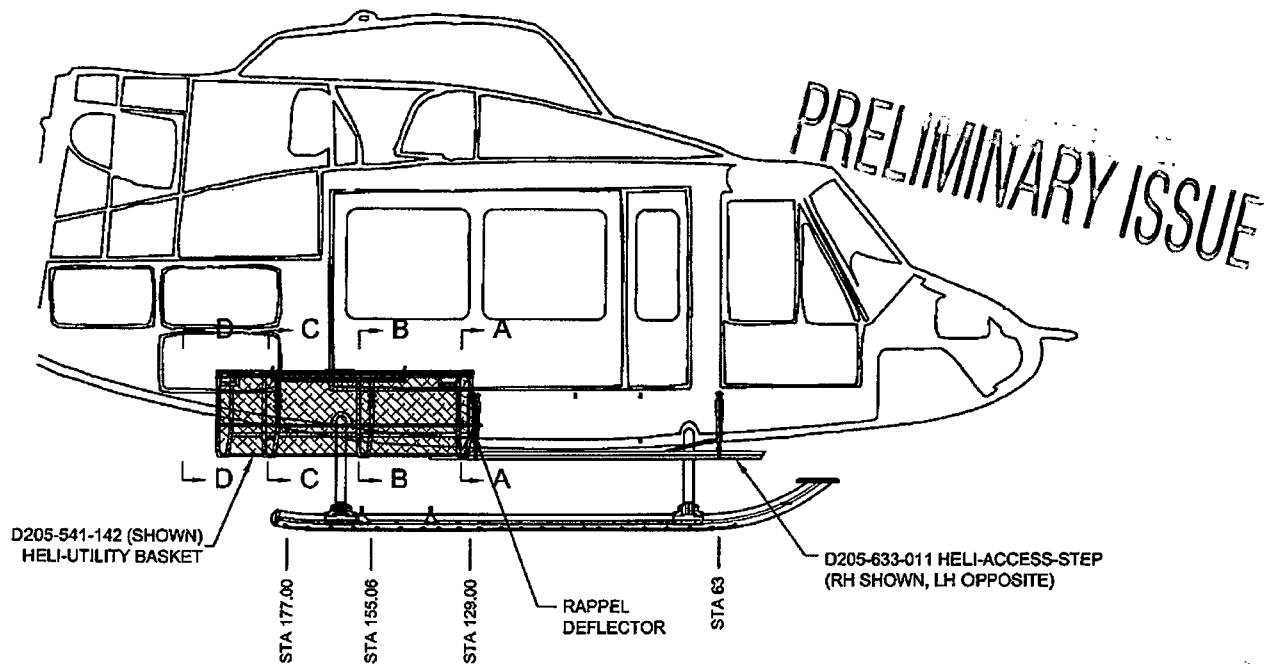


Figure 1b - D205-541-046 Heli-Utility-Basket™ with D205-541-048 Heli-Access-Step™ - Side View Shown
(D205-541-045 with D205-541-047 Opposite)

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**Figure 1c - D205-541-142 Heli-Utility-Basket™ - Side View Shown
(D205-541-141 Opposite)**

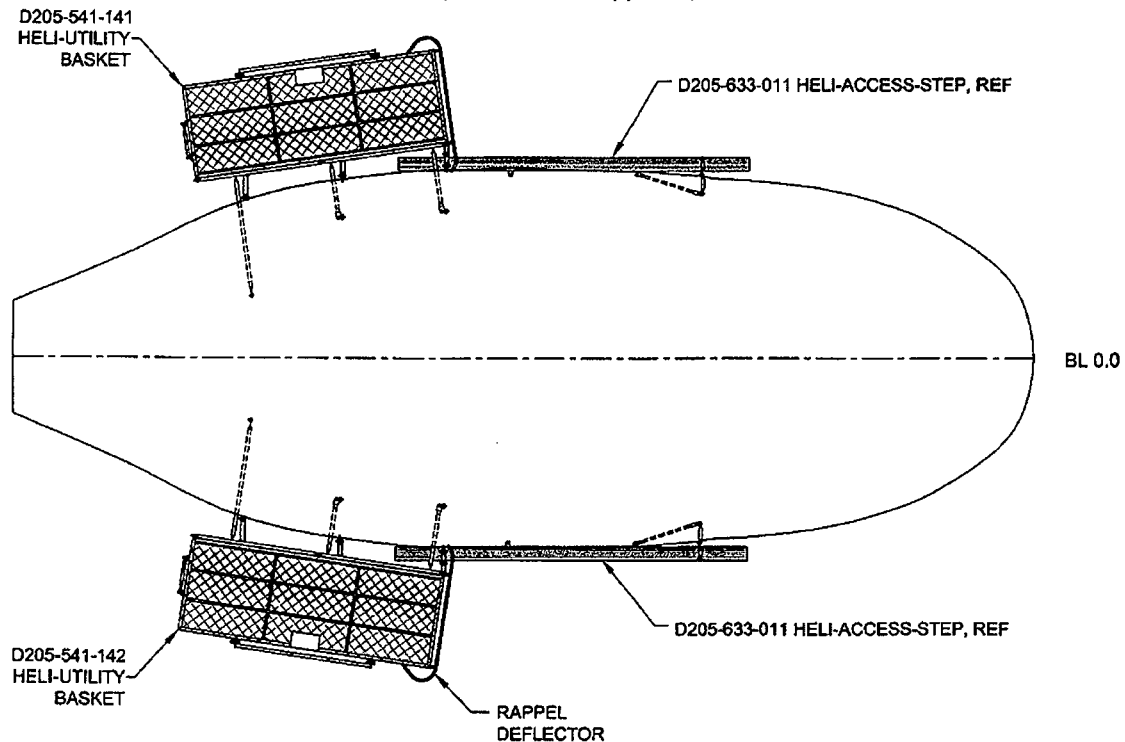


Figure 1d - D205-541-141/-142 Heli-Utility-Basket™ - Top View

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2.0

~~4.0~~

GENERAL NOTES

COMPATIBILITY

Compatibility of this installation with the aircraft is the **responsibility of the installer**. Ensure that this installation does not conflict with a previous modification.

WORKMANSHIP

Unless otherwise stated, all workmanship should be to the standards set by the Aircraft Maintenance Manual. It is acceptable to substitute shorter or longer fasteners of the same type as the fasteners called out in these instructions to obtain the proper number of threads in safety.

CONTINUING AIRWORTHINESS

This installation should be maintained in accordance with the Instructions for Continued Airworthiness ICA-D205-541.

PRELIMINARY ISSUE

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3.0 INSTALLATION PROCEDURES

3.1 Installation of D205-541-043/-044/-045/-046 Heli-Utility-Basket™

Note that it is optional to omit installation of the mounting lug and strut at STA 129.00 as described in steps 3.1 and 3.3, however the basket cargo load is reduced from 300 lbs to 220 lbs.

- 3.1.1 If not already installed, install the D2498 (STA 84.29), D2499 (STA 155.06), and D3052-1 (STA 129.00) mounting lugs onto the basket as shown in Figure 6. Refer to Figures 2a, 3a and 4a or 2b, 3b and 4b for mounting lug locations. Install D2199-23/-1/-25 struts onto the basket as shown in Detail G (Figure 8).
- 3.1.2 Locate the D205-541-043/-044/-045/-046 *Heli-Utility-Basket™* as shown in Figure 1a or 1b.
- 3.1.3 Attach the basket to the aircraft hardpoints at STA 84.29, STA 129.00, STA 155.06 as shown in Figures 2a, 3a, and 4a for the D205-541-043/-044 *Heli-Utility-Basket™* or Figures 2b, 3b, and 4b for the D205-541-45/-046 *Heli-Utility-Basket™*.
- 3.1.4 Torque the AN4 bolts 50-70 in-lbs (5.6-7.9 N-m) and the AN5 bolts 100-140 in-lbs (11.3-15.8 N-m).
- 3.1.5 If the D3052-1 mounting lug & D2199-1 strut are not installed (at STA 129), the D2258-300 placard on the lid of the basket must be replaced with the D2258-220 placard. The D2258-220 placard can be purchased from Dart.

3.2 Installation of D205-541-047/-048 Heli-Access-Step™ on D205-541-043/-044 Heli-Utility-Basket™

- 3.2.1 Grind off the mesh covering from the forward face of the basket in the area shown in Figure 10. De-burr and touch up finish with MIL-P-85582 or MIL-P-23377 primer.
- 3.2.2 Assemble the D3731-1 plates and D3751-1 shims onto the forward step mounting bracket as shown in Figure 11. Do not torque the fasteners.
- 3.2.3 Align the D3724-041/-042 Step Assembly with the *Heli-Utility-Basket™* as shown in Figure 12. Transfer mark the mounting holes from the step mounting brackets to the basket ribs. Remove the step and drill the marked holes to $\phi 0.257$.
- 3.2.4 Reposition the step assembly with the basket and install as shown in Figure 13. Torque the AN4 bolts to 50-70 in-lbs (5.6-7.9 N-m).

3.3 Installation of D205-541-047/-048 Heli-Access-Step™ on D205-541-045/-046 Heli-Utility-Basket™

- 3.3.1 Assemble the D3731-1 plates and D3751-1 shims onto the forward step mounting bracket as shown in Figure 11. Do not torque the fasteners.
- 3.3.2 Align the D3724-041/-042 Step Assembly with the *Heli-Utility-Basket™* and install as shown in Figure 13. Torque the AN4 bolts to 50-70 in-lbs (5.6-7.9 N-m).

3.4 Installation of D205-541-141/-142 Heli-Utility-Basket™

- 3.4.1 If not already installed, install the D4048-041/-042 (STA 129.00), D4048-5/-6 (STA 155.06), D4048-7/-8 (STA 179.5) mounting lugs onto the basket as shown in Figure 17, 18 and 19. Refer to Figures 14a, 14b and 14c for mounting lug locations. Install D4050-1/-3/-5/-8 struts onto the basket as shown in Figure 17, 18 and 19.
- 3.4.2 Loosely install the D205-541-141/-142 *Heli-Utility-Basket™* onto the aircraft hard points at STA 129 and STA 155 using the D4048-041/-042 and D4048-5/-6 Mounting Lugs as shown in Figures 14a and 14b. This will allow the D4049-041/-042 Mounting Lug Assembly and D4049-5/-8 Mounting Lug to be properly located and installed on the aircraft per Figure 14c. Remove Step strut D2562-001 (D205-633-011 Step) or D2562-007 (D205-633-017 Step) if installed to allow the installation of the D4050-1 strut at STA 129.0 as shown Figure 17. Replace with D2562-011 strut or D2562-013 strut as applicable per DSI 9302.
- 3.4.3 Remove 205-032-105-085/205-032-104-039 door from the aircraft. Drill out MS20470 rivet at the locations shown in Figure 16 for installation of D4049-041/-042 Mounting Lug Assembly. Position the D4049-041/-042 Mounting Lug Assembly on the aircraft as shown in Figure 16 ensuring that it will line up with the D4048-5/-6 Mounting Lug that is installed on the basket. Transfer (6) attachment holes from the aircraft to the D4049-041/-042 baskets as shown in Figure 16 and open holes in the D4049-041/-042 brackets to Ø0.201 (#7 drill). Open holes in airframe to Ø0.201" (#7 drill) and install MS21075L3/MS21071L3/MS21086L3 nutplates as shown in Figure 16 using MS20426AD3 rivets. Deburr holes and touch-up holes in the aircraft with MIL-P-85582 or MIL-P-23377 primer.
- 3.4.4 Trim 205-032-105-085/205-032-104-039 Door to clear bolt as shown in Figure 16. Install D2464-0410 Neoprene Seal to the inside of the 205-032-105-085/205-032-104-039 Door, except for the area covered by the D4049-041/-042 Mounting Lug Assembly. D2464-0410 is used to seal space between the door and the aircraft skin.
- 3.4.5 Install D4049-041/-042 and 205-032-105-085/205-032-104-039 Door using the hardware shown in Figure 16. LH side may need to lift upper cover to slide D4049-041 underneath. Apply a layer of Proseal 890 or MIL-S-8802 class B2 sealant between D4049-041/-042 and the aircraft skin.
- 3.4.6 Transfer drill Ø0.257" ("F" drill) hole from D4048-7/-8 brackets to D4049-041/-042 brackets. Deburr holes and touch up with MIL-P-85582 or MIL-P-23377 primer. Loosely install attachment hardware per Figure 19.
- 3.4.7 Drill out MS20470 rivets as shown in Figure 15 for the installation of the D4049-5/-8 Mounting Lugs. Fabricate shims from 0.050"/0.063" aluminum sheet to take space between D4049-5/-8 as required. Attach the D4050-5/-8 strut to the basket and the D4049-5/-8 mounting lug as shown in Figure 19. Locate the D4049-5/-8 Mounting Lug on the aircraft skin and transfer Ø0.129" holes from the aircraft into D4049-5/-8 and shims. Open holes to Ø0.161" (#20 drill). Deburr and touch-up holes in the aircraft, Mounting Lugs and shims with MIL-P-85582 or MIL-P-23377 primer.
- 3.4.8 Install D4049-5/-8 Mounting lug using MS20470AD5 rivets as shown in Figure 15. Apply a layer of Proseal 890 or MIL-S-8802 class B2 sealant between D4049-5/-8 and the aircraft skin.
- 3.4.9 Torque the AN3 bolts 15-25 in-lbs (1.7-2.8 N-m) and AN4 bolts 50-70 in-lbs (5.6-7.9 N-m).

- 3.4.10 ^{AT} ~~As~~ the customer's option the D3969-3 gas spring can be replaced with the D2332-041 Prop Assembly using the hardware shown in Figure 21.
- 3.4.11 Install Optional D4051-041/-042 ~~Optional~~ Rappel Reflector per Figure 22.

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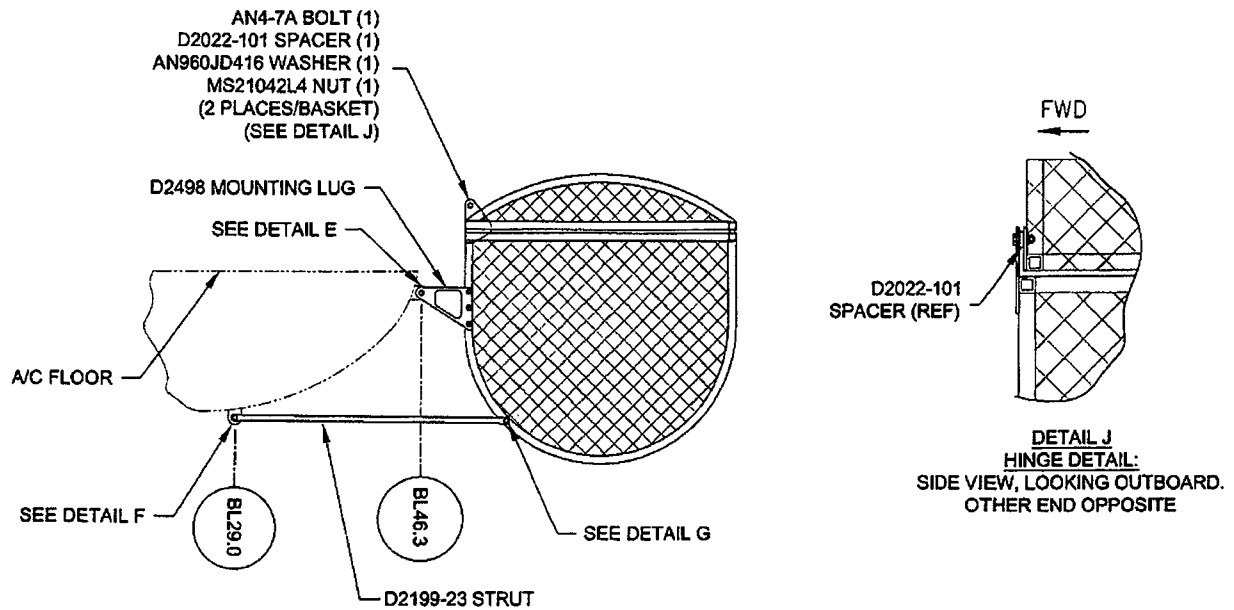


Figure 2a - Section A-A Looking Fwd at STA 84.29
(D205-541-044 Shown; D205-541-043 Opposite)

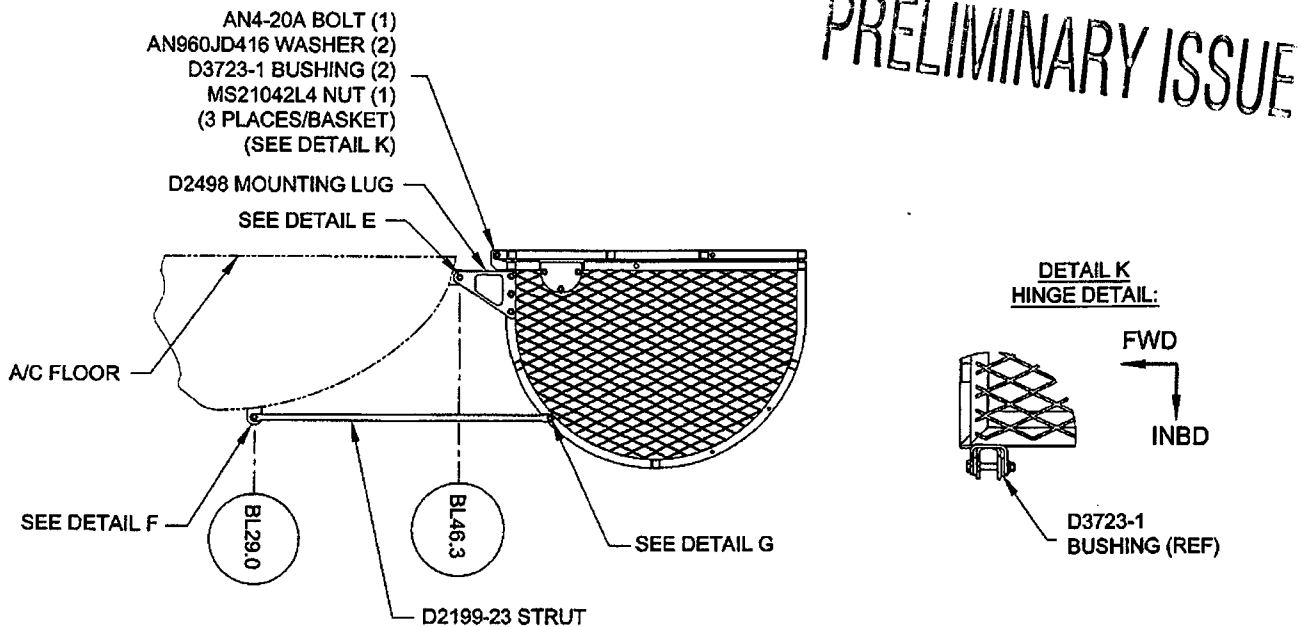


Figure 2b - Section A-A Looking Fwd at STA 84.29
(D205-541-046 Shown; D205-541-045 Opposite)

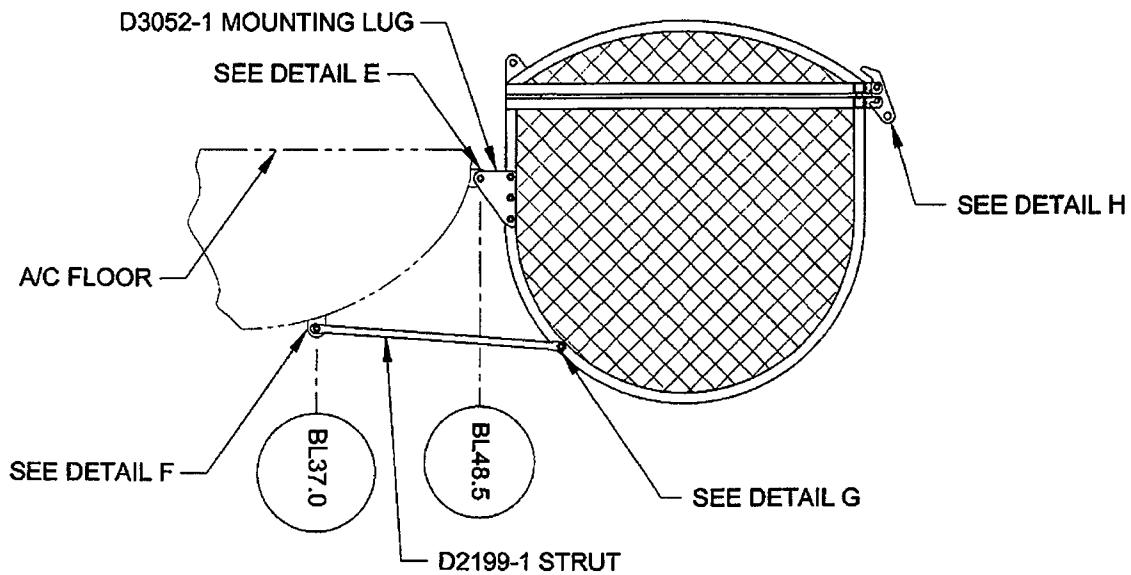


Figure 3a – Section B-B Looking Fwd at STA 129.00
(D205-541-044 Shown; D205-541-043 Opposite)

PRELIMINARY ISSUE

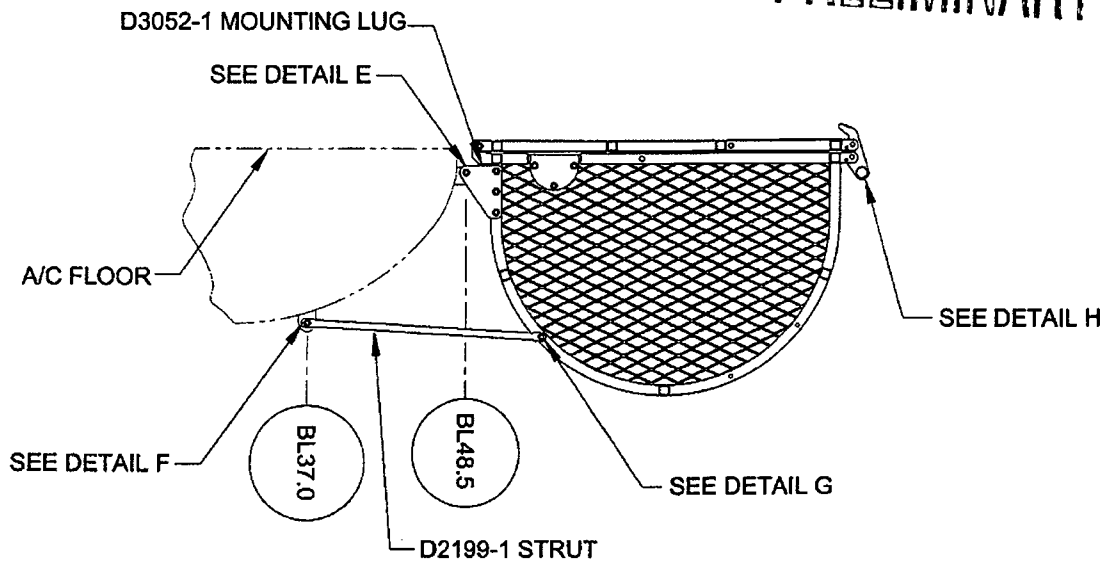


Figure 3b – Section B-B Looking Fwd at STA 129.00
(D205-541-046 Shown; D205-541-045 Opposite)

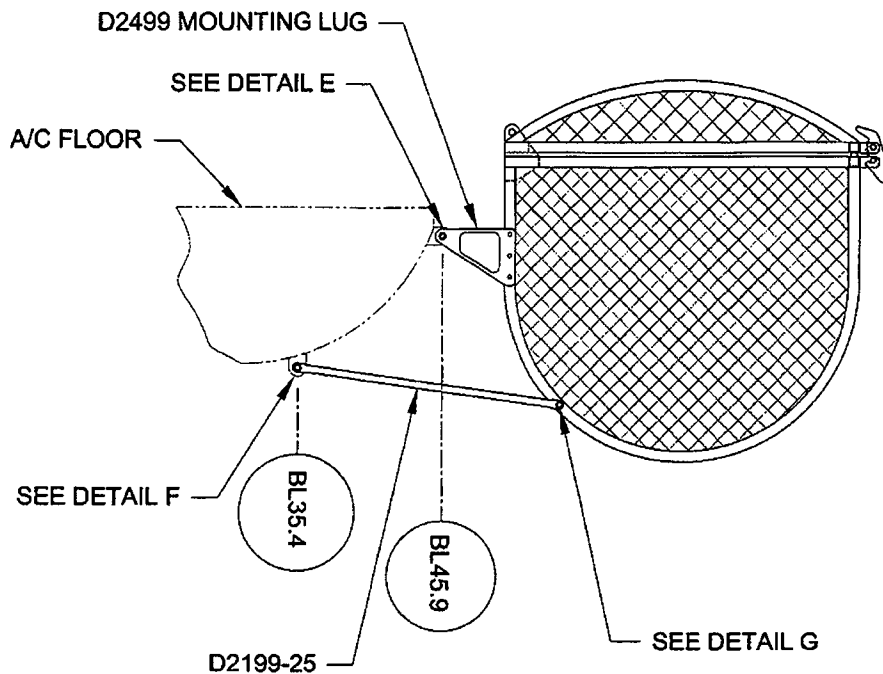


Figure 4a – Section C-C Looking Fwd at STA 155.06
(D205-541-044 Shown; D205-541-043 Opposite)

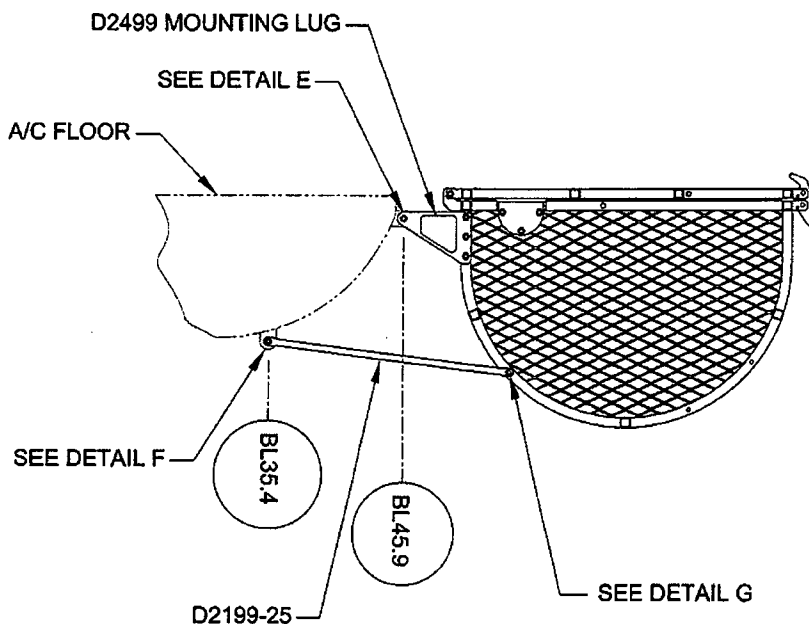


Figure 4b – Section C-C Looking Fwd at STA 155.06
(D205-541-046 Shown; D205-541-045 Opposite)

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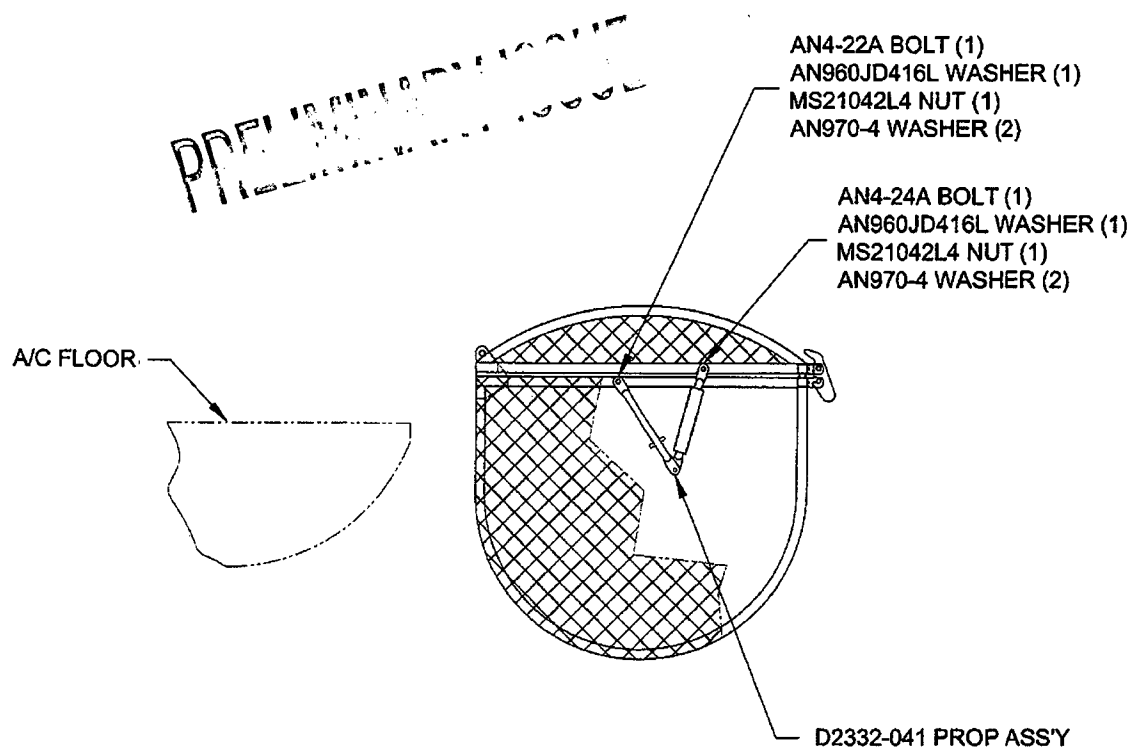


Figure 5a – Section D-D Looking Fwd at STA 180.08
(D205-541-044 Shown; D205-541-043 Opposite)

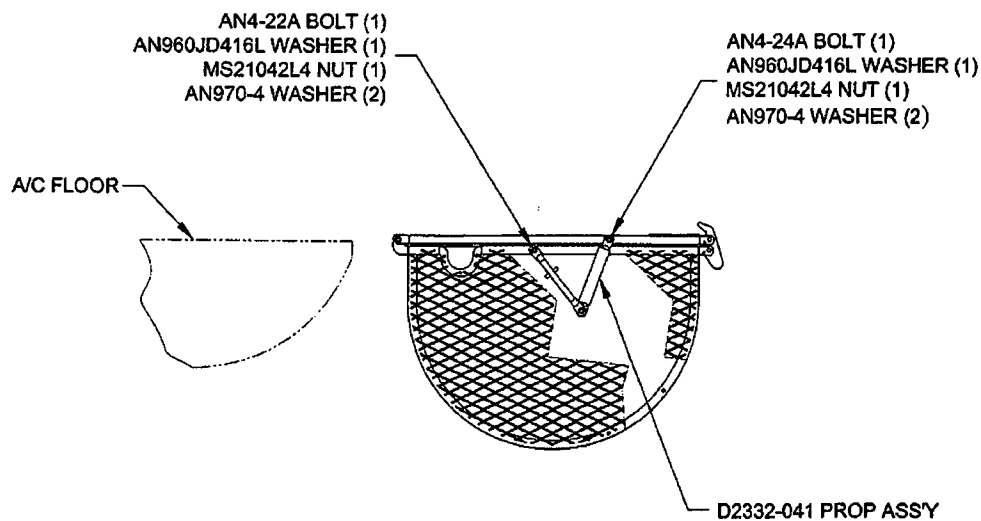


Figure 5b – Section D-D Looking Fwd at STA 180.08
(D205-541-046 Shown; D205-541-045 Opposite)

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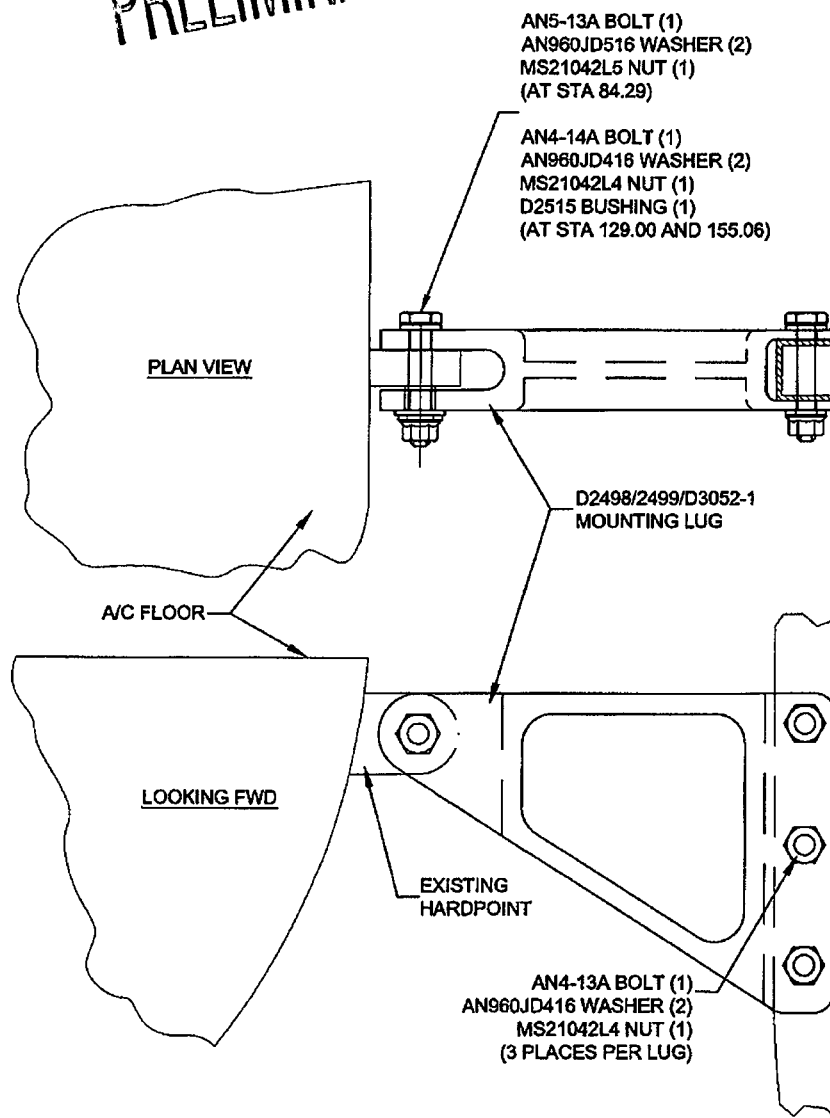


Figure 6 – Detail 'E' Mounting Lug Installation

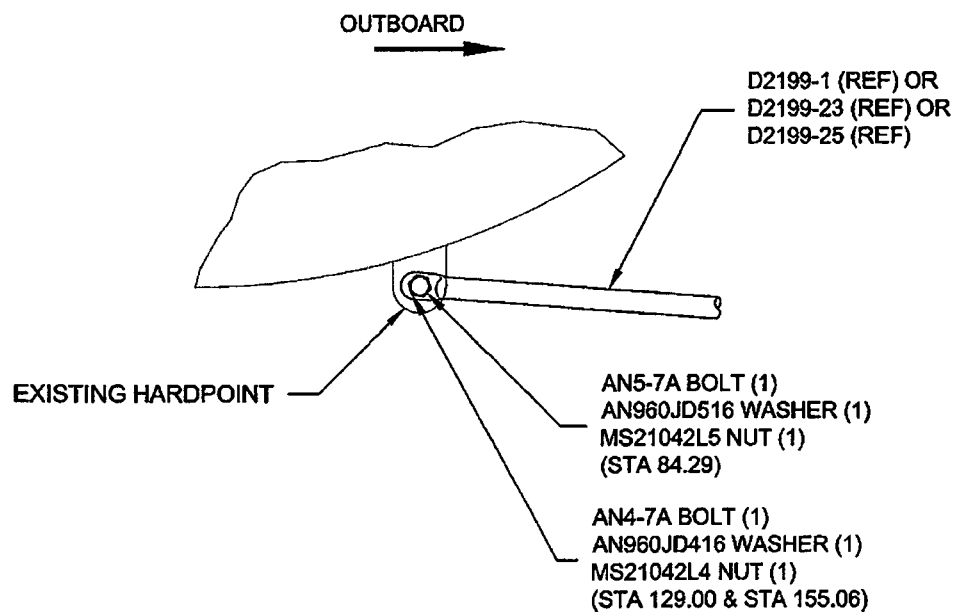


Figure 7 – Detail 'F' Strut to Hardpoint Attachment
(D205-541-044 & D205-541-046 Shown; D205-541-043 & D205-541-045 Opposite)

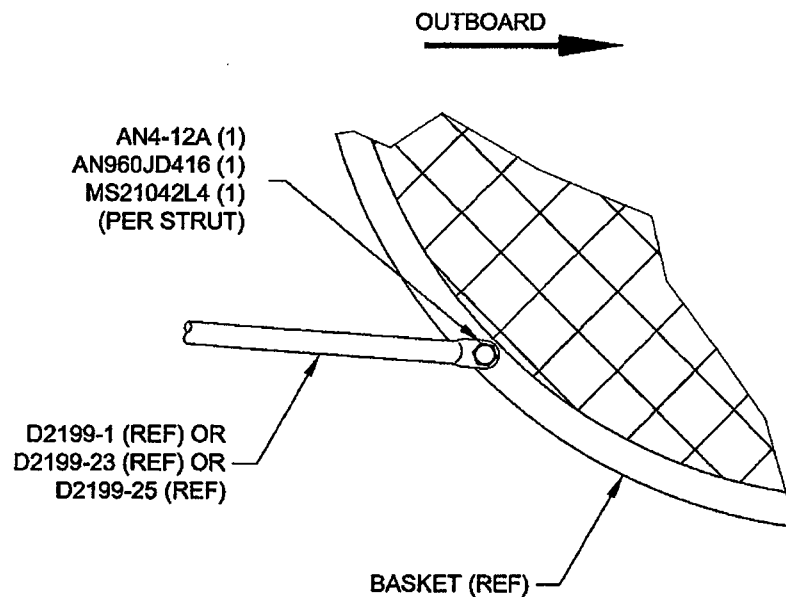


Figure 8 – Detail 'G' Strut to Basket Attachment
(D205-541-044 & D205-541-046 Shown; D205-541-043 & D205-541-045 Opposite)

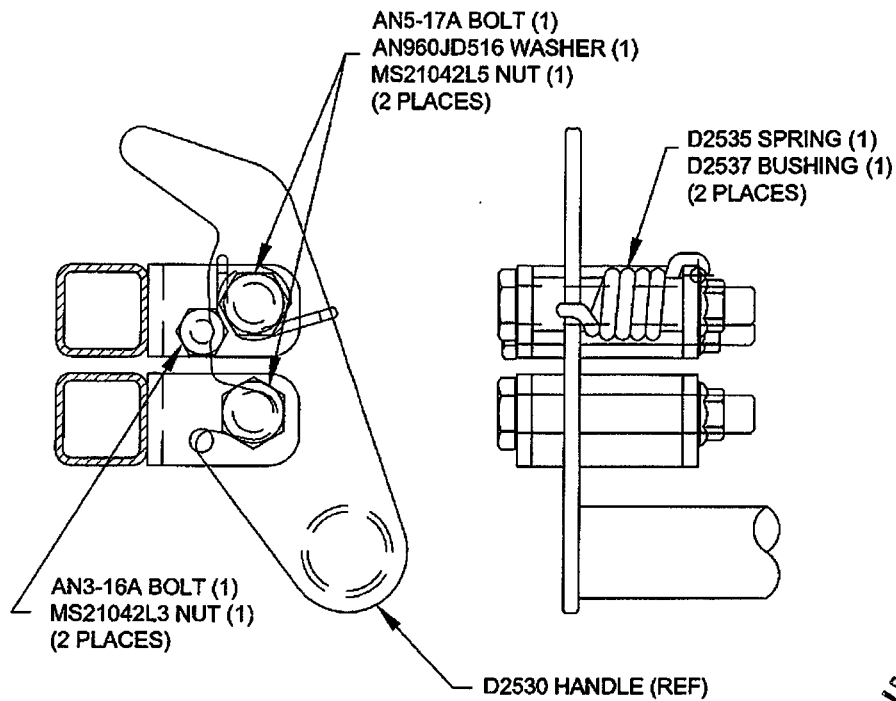


Figure 9 – Detail 'H' Handle Assembly

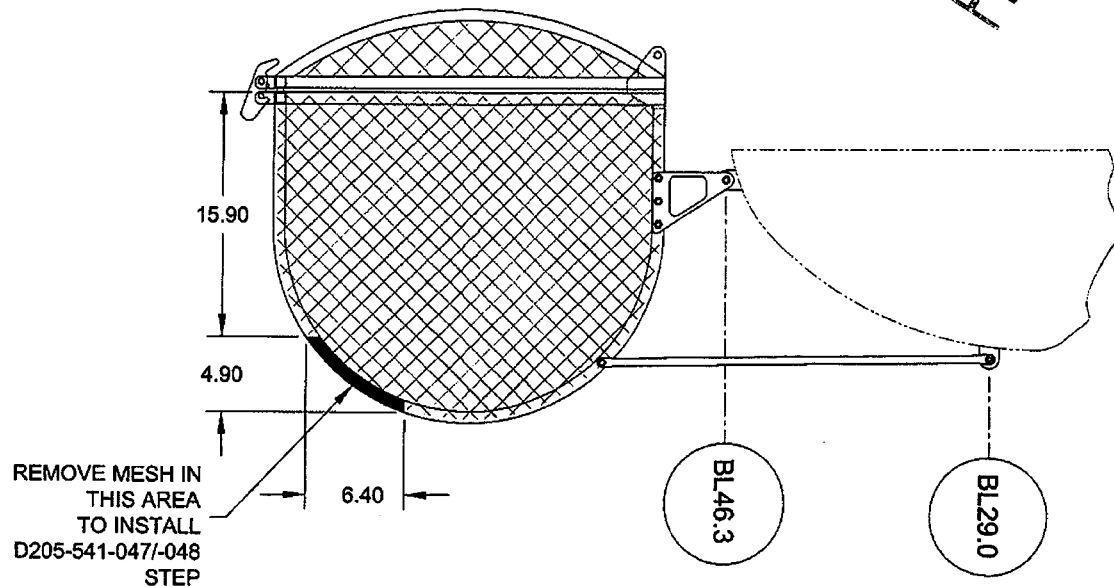


Figure 10 – Mesh Removal Looking Aft at STA 84.00
(D205-541-044 Shown; D205-541-043 Opposite)

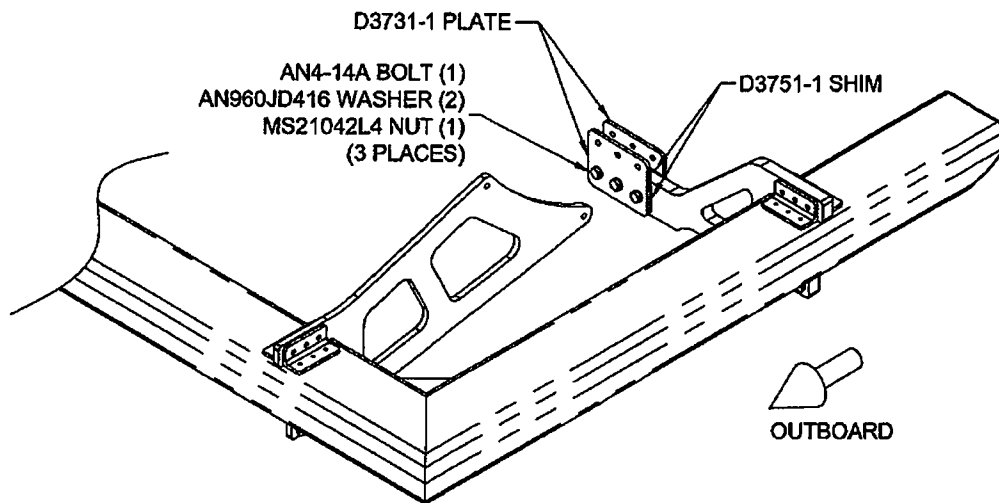


Figure 11 – Step Plate Assembly
(D205-541-048 Shown, D205-541-047 Opposite)

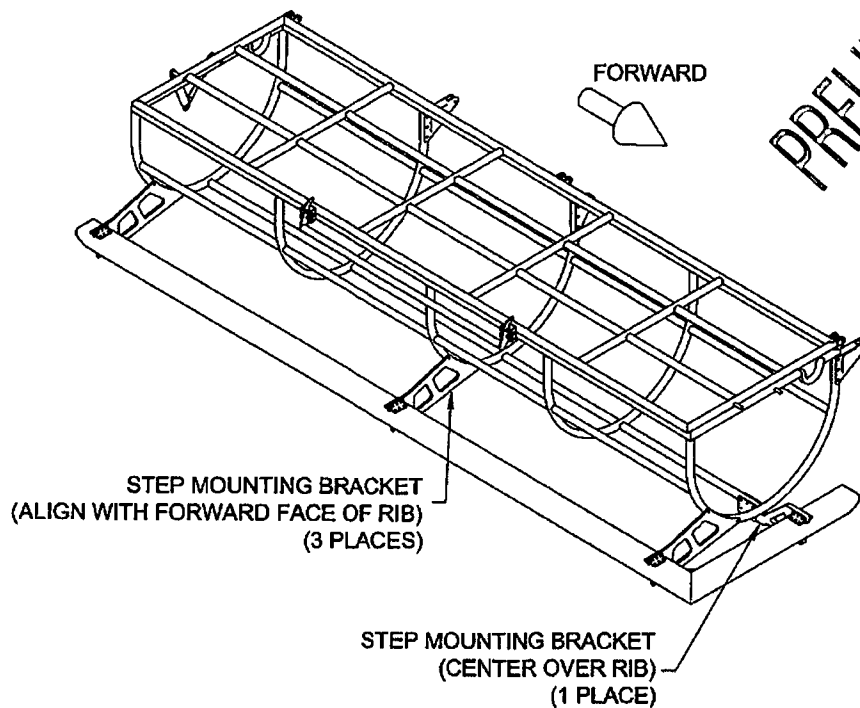


Figure 12 – Step Alignment

(D205-541-046 Heli-Utility-Basket™ with D205-541-048 Heli-Access-Step™ Shown;
D205-541-045 Heli-Utility-Basket™ with D205-541-047 Heli-Access-Step™ Opposite)
(D205-541-044 Heli-Utility-Basket™ with D205-541-048 Heli-Access-Step™ Similar;
D205-541-043 Heli-Utility-Basket™ with D205-541-047 Heli-Access-Step™ Similar & Opposite)

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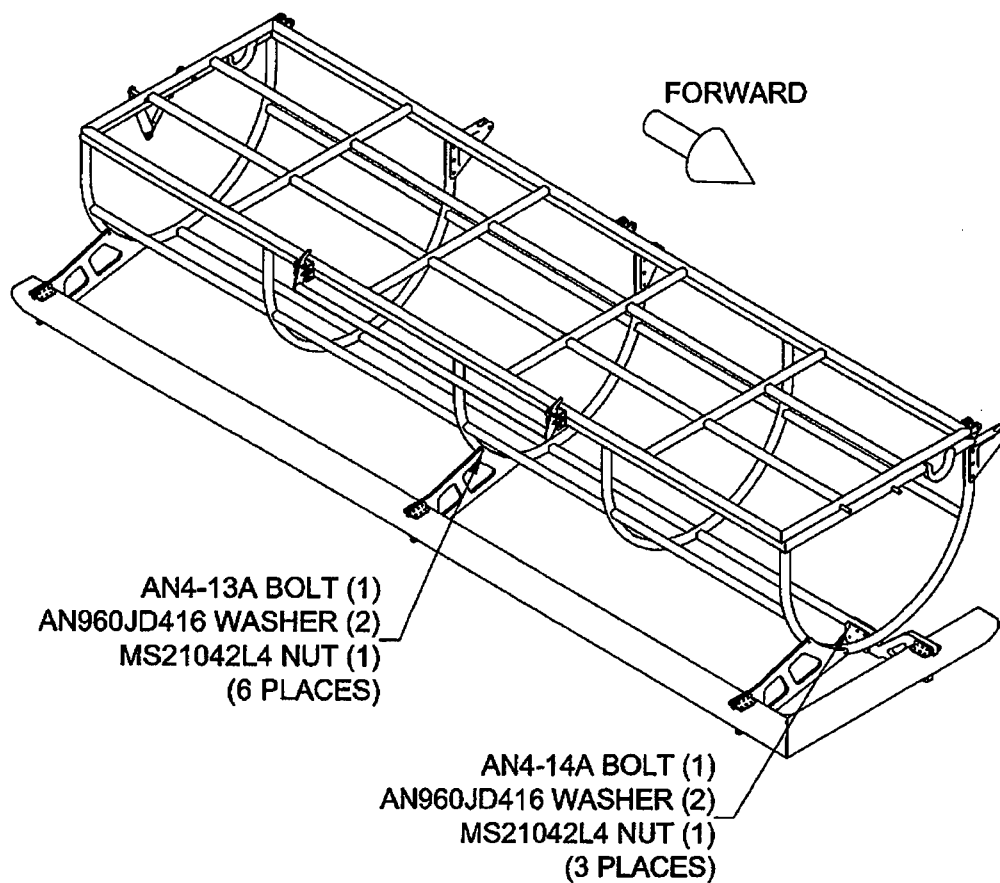


Figure 13 – Step Installation

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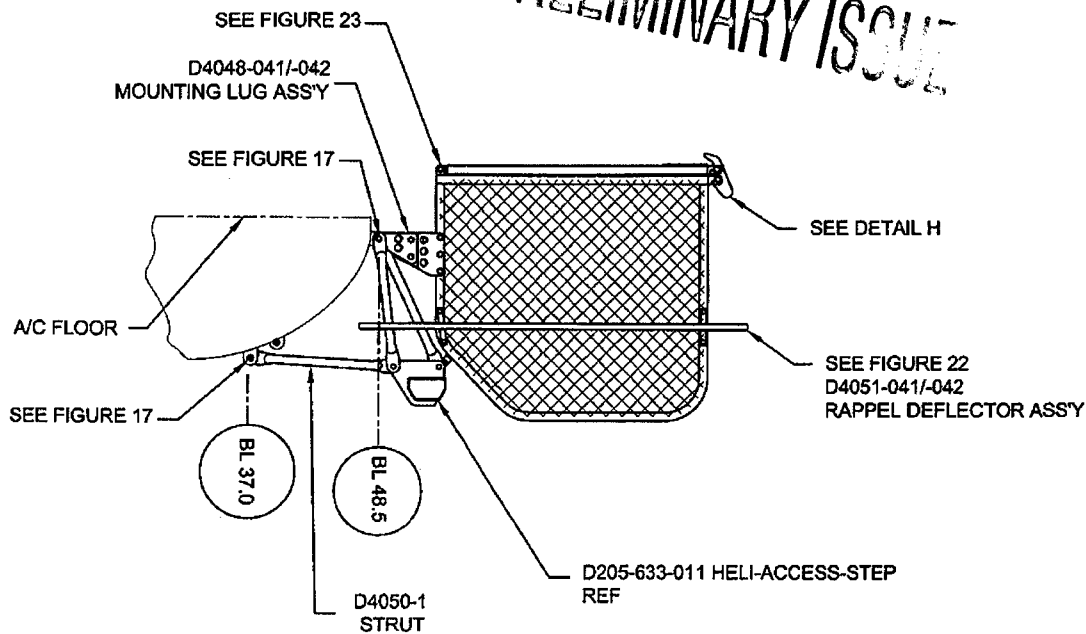


Figure 14a – Section A-A Looking Aft at STA 129
(D205-541-142 Shown; D205-541-141 Opposite)

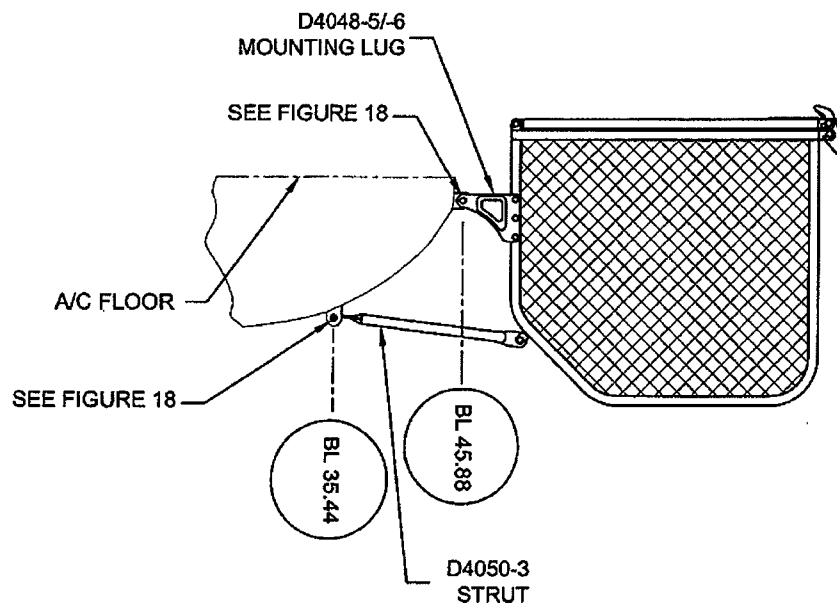


Figure 14b – Section B-B Looking Aft at STA 155.06
(D205-541-142 Shown; D205-541-141 Opposite)

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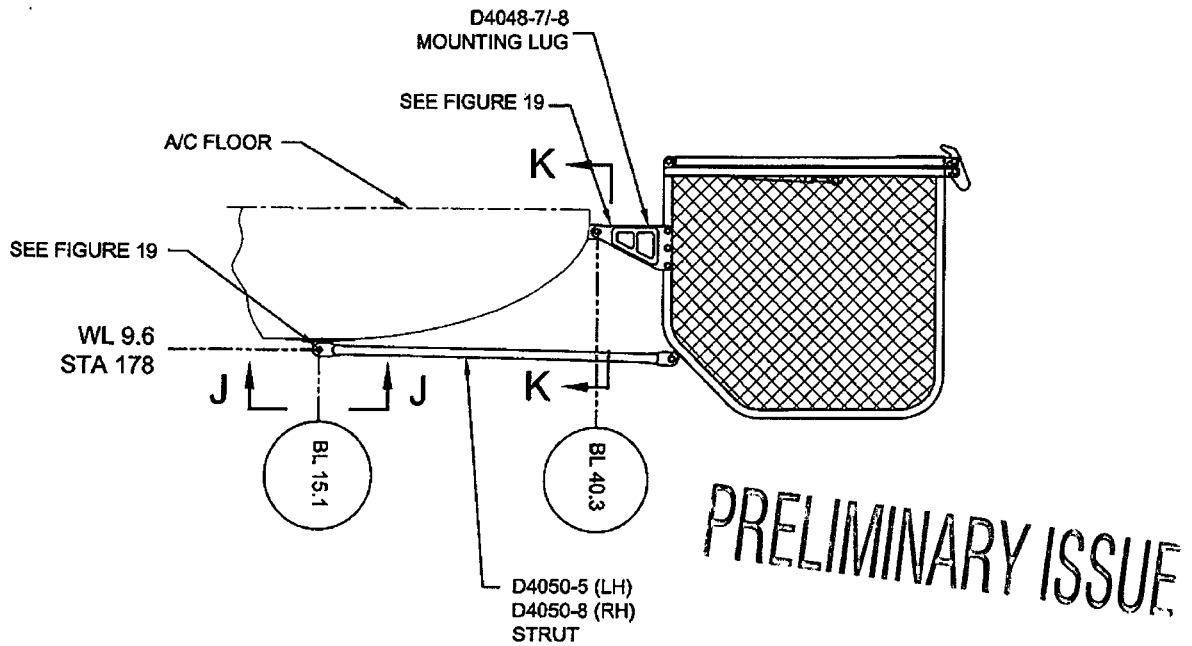


Figure 14c – Section C-C Looking Aft at STA 179.5
(D205-541-142 Shown; D205-541-141 Opposite)

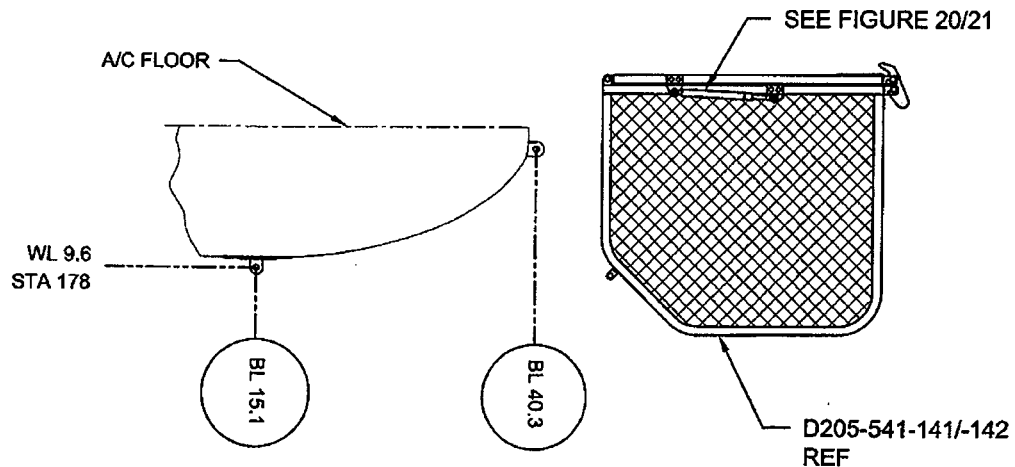


Figure 14c – Section D-D Looking Fwd at STA 193.0
(D205-541-142 Shown; D205-541-141 Opposite)

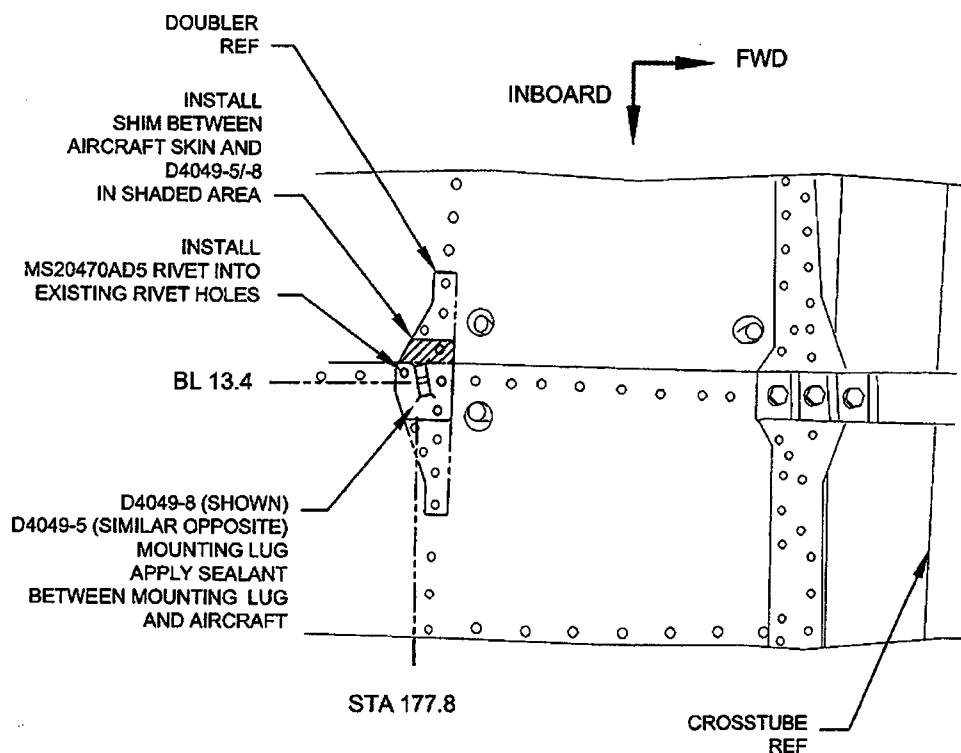


Figure 15 – Section J-J (New Hard Point Installation at STA 177.8)
D4049-8 RH Side Shown, D4049-5 LH Similar

PRELIMINARY ISSUE

PRELIMINARY

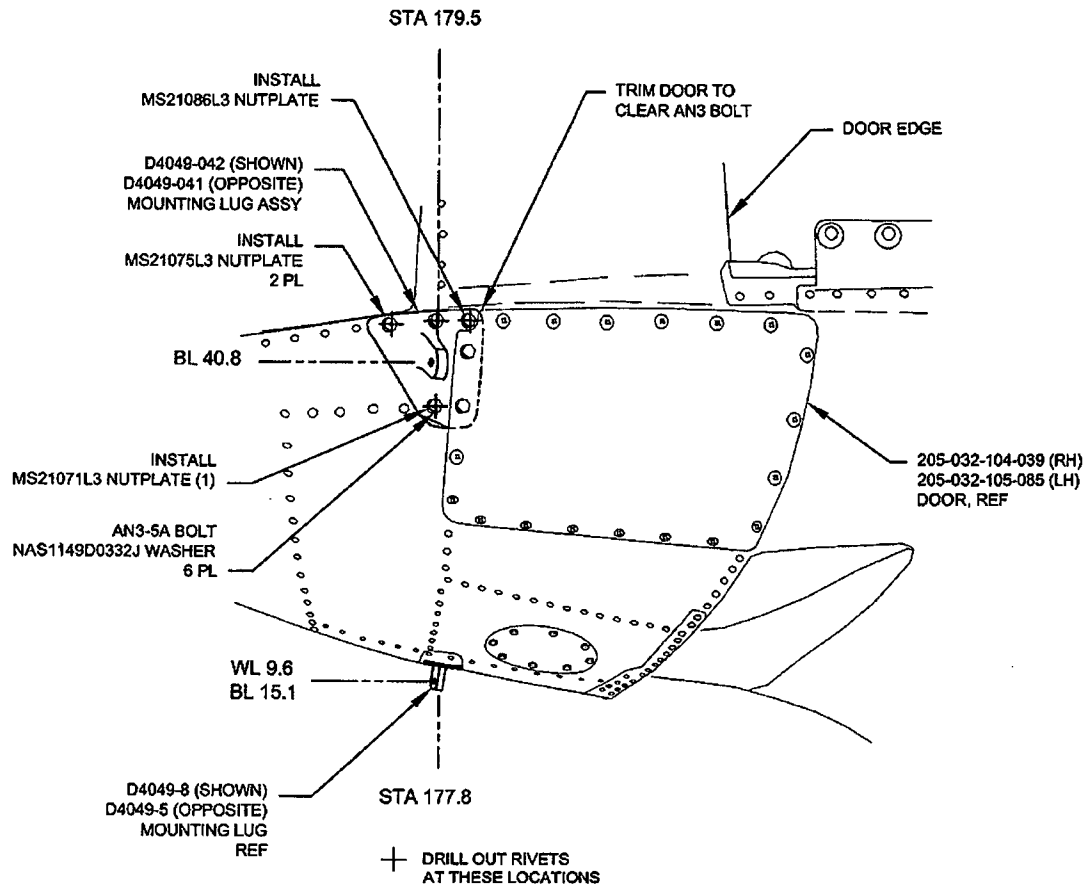
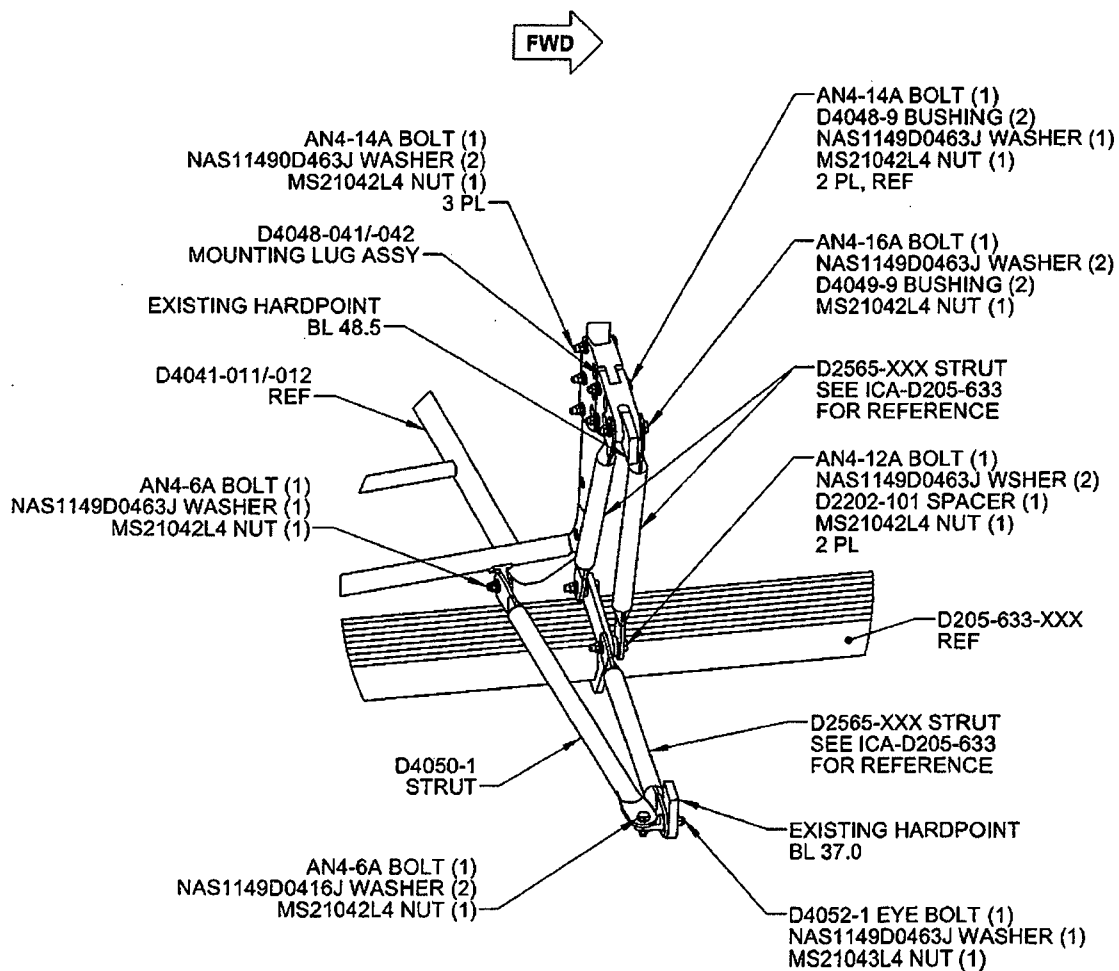


Figure 16 – Section K-K (New Hard Point Installation at STA 179.5)
D4049-042 RH Side Shown, D4049-041 LH Similar

PRELIMINARY ISSUE

**Figure 17 – Basket Installation at STA 129.0**

(D205-541-142 Shown; D205-541-141 Opposite)

(Mesh not Shown for Clarity)

PRELIMINARY IS

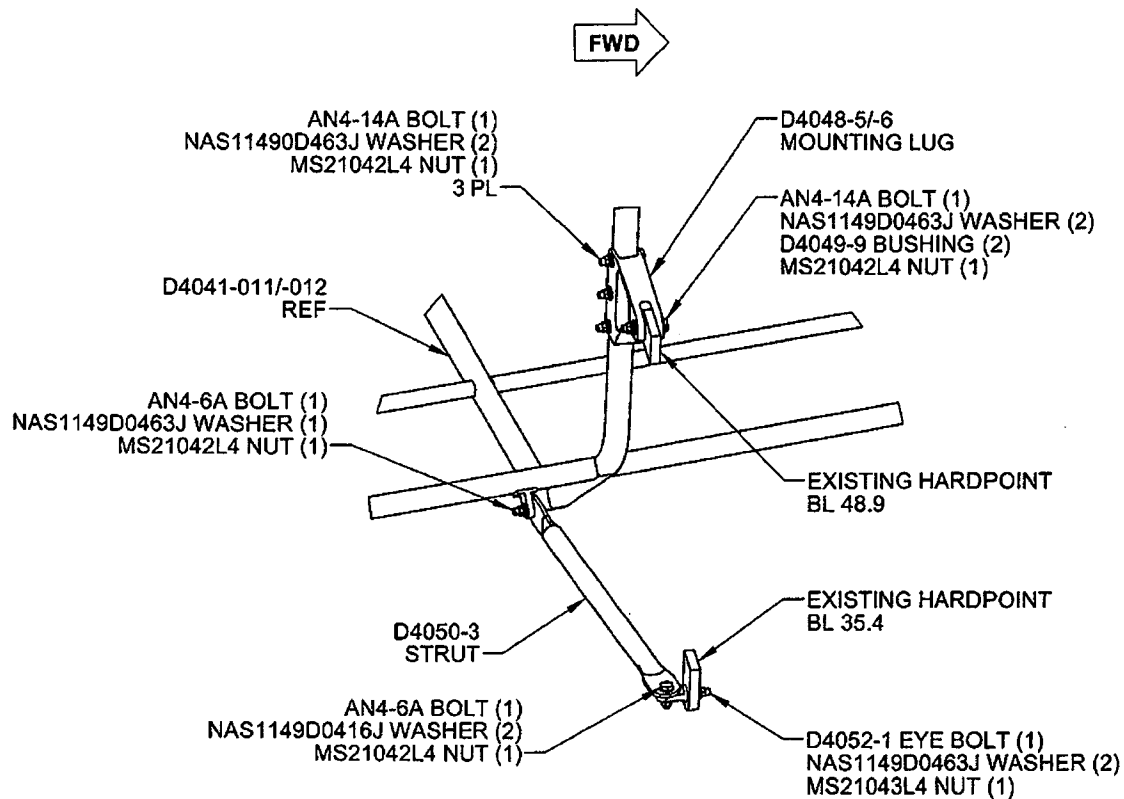


Figure 18 – Basket Installation at STA 155.06
 (D205-541-142 Shown; D205-541-141 Opposite)
 (Mesh not Shown for Clarity)

PRELIMINARY

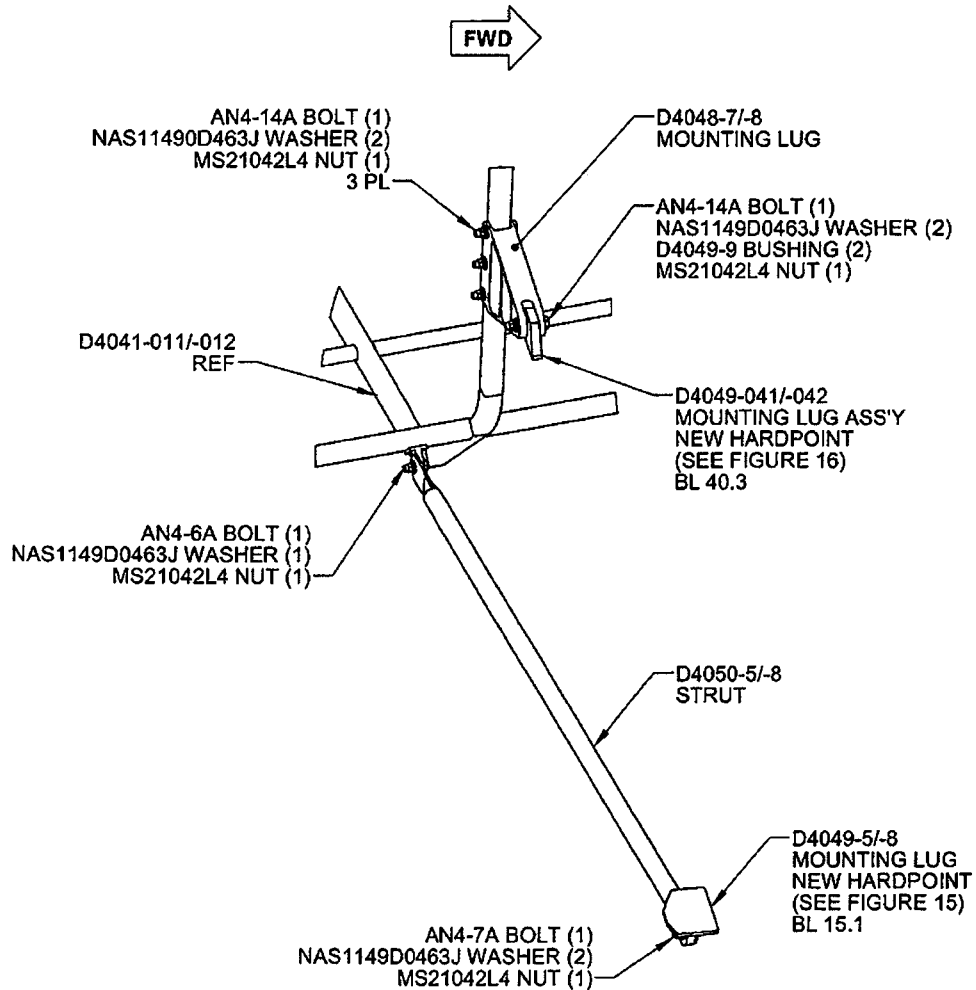
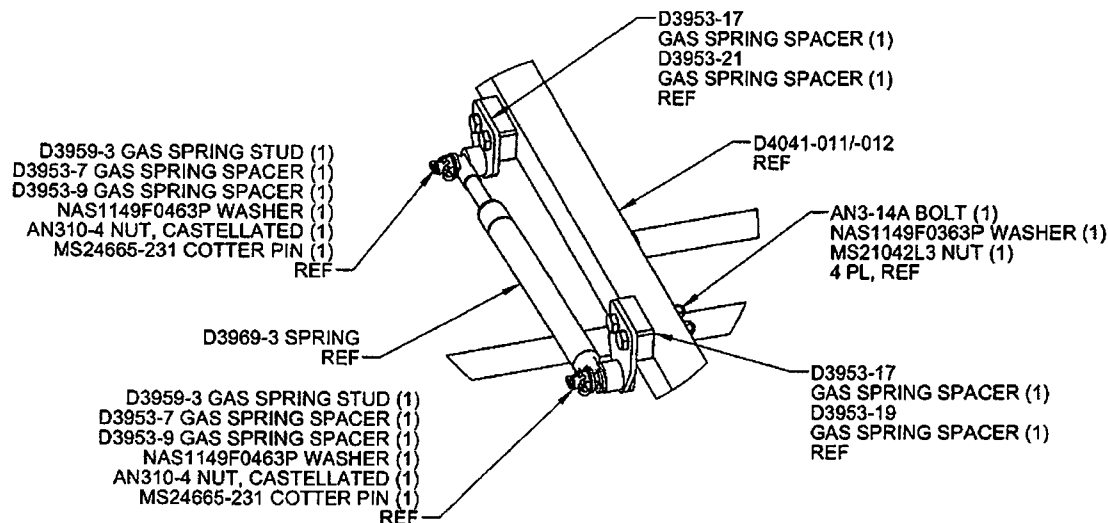
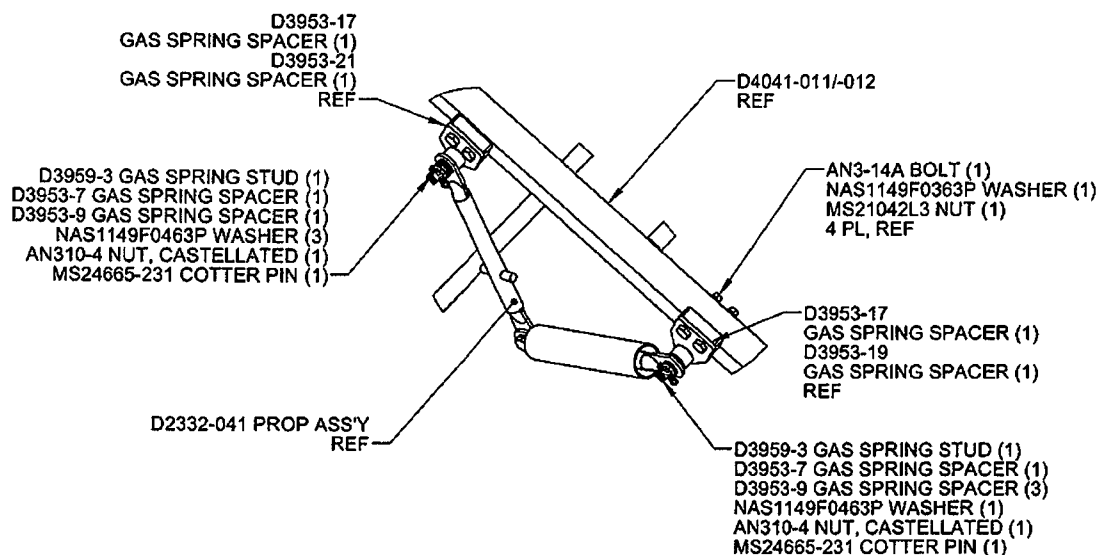


Figure 19 – Basket Installation at STA 178.5
 (D205-541-142 Shown; D205-541-141 Opposite)
 (Mesh not Shown for Clarity)

**Figure 20 – Gas Spring Installation at STA 193.0**(D205-541-142 Shown; D205-541-141 Opposite)
(Mesh not Shown for Clarity)**Figure 21 – Prop Arm Optional Installation at STA 193.0**(D205-541-142 Shown; D205-541-141 Opposite)
(Mesh not Shown for Clarity)

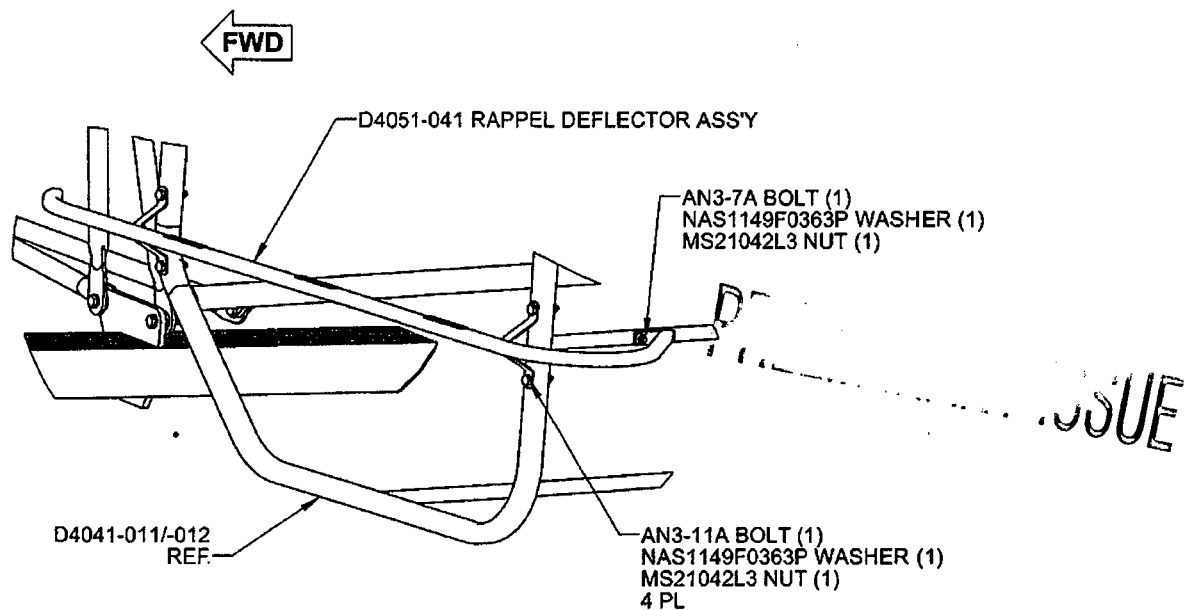


Figure 22 –Rappel Deflector Installation at STA 129.0
(D205-541-142 Shown; D205-541-141 Opposite)
(Mesh not Shown for Clarity)

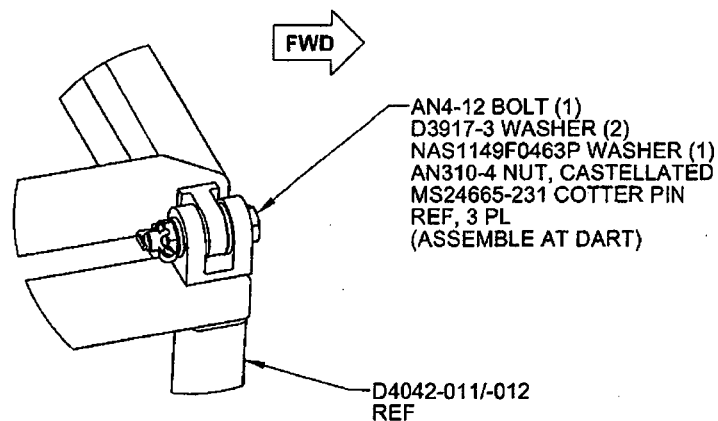


Figure 23 – Hinge Detail
(D205-541-142 Shown; D205-541-141 Opposite)
(Mesh not Shown for Clarity)

4.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D205-541-043 <i>Heli-Utility-Basket™</i>	118 lb 53.6 kg	- 63.13 in - 1.60 m	- 7449 in-lb - 85.8 m-kg	132.25 in 3.36 m	15606 in-lb 180.1 m-kg
D205-541-044 <i>Heli-Utility-Basket™</i>	118 lb 53.6 kg	+ 63.13 in + 1.60 m	+ 7449 in-lb + 85.8 m-kg	132.25 in 3.36 m	15606 in-lb 180.1 m-kg
D205-541-045 <i>Heli-Utility-Basket™</i>	104 lb 47.3 kg	- 63.13 in - 1.60 m	- 6566 in-lb - 75.7 m-kg	132.25 in 3.36 m	13754 in-lb 158.9 m-kg
D205-541-046 <i>Heli-Utility-Basket™</i>	104 lb 47.3 kg	+ 63.13 in + 1.60 m	+ 6566 in-lb + 75.7 m-kg	132.25 in 3.36 m	13754 in-lb 158.9 m-kg
D205-541-047 <i>Heli-Access-Step™</i>	14 lb 6.4 kg	- 59.63 in - 1.51 m	- 834 in-lb - 9.7 m-kg	126.56 in 3.21 m	+ 1772 in-lb + 20.5 m-kg
D205-541-048 <i>Heli-Access-Step™</i>	14 lb 6.4 kg	+ 59.63 in + 1.51 m	+ 834 in-lb + 9.7 m-kg	126.56 in 3.21 m	+ 1772 in-lb + 20.5 m-kg
D205-541-141 <i>Heli-Utility-Basket™</i>	65 lb 29.5 kg	- 59.9 in - 1.5 m	- 3894 in-lb - 44.3 m-kg	161.6 in 4.1 m	+ 10504 in-lb + 121.0 m-kg
D205-541-142 <i>Heli-Utility-Basket™</i>	65 lb 29.5 kg	+ 59.9 in + 1.5 m	+ 3894 in-lb + 44.3 m-kg	161.6 in 4.1 m	+ 10504 in-lb + 121.0 m-kg

5.0 PARTS LIST HELI-UTILITY-BASKET™

Qty -043	Qty -044	Qty -045	Qty -046	Qty -141	Qty -142	Part Number	Description
X						D205-541-043	HELI-UTILITY-BASKET, LH
	X					D205-541-044	HELI-UTILITY-BASKET, RH
		X				D205-541-045	HELI-UTILITY-BASKET, LH
			X			D205-541-046	HELI-UTILITY-BASKET, RH
				X		D205-541-141	HELI-UTILITY-BASKET, LH
					X	D205-541-142	HELI-UTILITY-BASKET, RH
				1	1	DSI 9302-011	STRUT MODIFICATION KIT (FOR D205-633 STEP INSTALLATION)
2*	2*					D2022-101	SPACER
				2	2	D2022-101	SPACER (FOR D205-633 STEP INSTALLATION)
1	1	1	1			D2199-1	STRUT
1	1	1	1			D2199-23	STRUT
1	1	1	1			D2199-25	STRUT
1*	1*	1*	1*			D2258-300	LABEL
1*	1*	1*	1*			D2332-041	PROP ASSEMBLY
				1	1	D2332-041	PROP ASSEMBLY (OPTIONAL)
				1	1	D2464-0410	NEOPRENE SEAL
1	1	1	1			D2498	MOUNTING LUG
1	1	1	1			D2499	MOUNTING LUG
1*	1*					D2512	BASKET LID ASSEMBLY

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Qty -043	Qty -044	Qty -045	Qty -046	Qty -141	Qty -142	Part Number	Description
2	2	2	2			D2515	BUSHING
1*	1*	1*	1*			D2530	HANDLE ASSEMBLY
2*	2*	2*	2*			D2535	SPRING
2*	2*	2*	2*			D2537	BUSHING
2*	2*					D2931	BUMPER
1	1	1	1			D3052-1	MOUNTING LUG
1*						D3053-041	BASKET BASE ASSEMBLY, LH
	1*					D3053-042	BASKET BASE ASSEMBLY, RH
		1*				D3712-041	BASKET BASE
			1*			D3712-042	BASKET BASE
		1*				D3713-041	LID ASSEMBLY
			1*			D3713-042	LID ASSEMBLY
		6*	6*			D3723-1	BUSHING
				2	2	D3953-9	GAS SPRING SPACER (OPTIONAL)
				1		D4041-011	SHORT BASKET ASS'Y, LH
					1	D4041-012	SHORT BASKET ASS'Y, RH
				1		D4048-041	MOUNTING LUG ASS'Y
					1	D4048-042	MOUNTING LUG ASS'Y
				1		D4048-5	MOUNTING LUG
					1	D4048-6	MOUNTING LUG
				1		D4048-7	MOUNTING LUG
					1	D4048-8	MOUNTING LUG
				1		D4049-041	MOUNTING LUG ASS'Y
					1	D4049-042	MOUNTING LUG ASS'Y
				1		D4049-5	MOUNTING LUG
					1	D4049-8	MOUNTING LUG
				6	6	D4049-9	BUSHING
				1	1	D4050-1	STRUT
				1	1	D4050-3	STRUT
				1		D4050-5	STRUT
					1	D4050-8	STRUT
				1		D4051-041	RAPPEL DEFLECTOR ASS'Y (OPTIONAL)
					1	D4051-042	RAPPEL DEFLECTOR ASS'Y (OPTIONAL)
				2	2	D4052-1	EYE BOLT
				6	6	AN3-5A	BOLT
				1	1	AN3-7A	BOLT (OPTIONAL)
				4	4	AN3-11A	BOLT (OPTIONAL)
2*	2*	2*	2*			AN3-16A	BOLT
				5	5	AN4-6A	BOLT
2*	2*					AN4-7A	BOLT
2	2	2	2	1	1	AN4-7A	BOLT
3	3	3	3	2	2	AN4-12A	BOLT
9	9	9	9			AN4-13A	BOLT
2	2	2	2	11	11	AN4-14A	BOLT
				1	1	AN4-16A	BOLT
		3*	3*			AN4-20A	BOLT

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Qty -043	Qty -044	Qty -045	Qty -046	Qty -141	Qty -142	Part Number	Description
1*	1*	1*	1*			AN4-22A	BOLT
1*	1*	1*	1*			AN4-24A	BOLT
1	1	1	1			AN5-7A	BOLT
1	1	1	1			AN5-13A	BOLT
4*	4*	4*	4*			AN5-17A	BOLT
				5	5	AN960JD10	WASHER (OR NAS1149F0363P) (OPTIONAL)
				6	6	AN960JD10L	WASHER (OR NAS1149D0332J)
2*	2*	6*	6*			AN960JD416	WASHER (OR NAS1149D0463J)
				2	2	AN960JD416	WASHER (OR NAS1149D0463J) (OPTIONAL)
27	27	27	27	36	36	AN960JD416	WASHER (OR NAS1149D0463J)
2*	2*	2*	2*	4	4	AN960JD416L	WASHER (OR NAS1149D0416J)
4*	4*	4*	4*			AN960JD516	WASHER (OR NAS1149D0563J)
3	3	3	3			AN960JD516	WASHER (OR NAS1149D0563J)
2	2					AN960JD8	WASHER (OR NAS1149DN832J)
4*	4*	4*	4*			AN970-4	WASHER
2*	2*					MS20600AD4W3	RIVET
2*	2*	2*	2*			MS21042L3	NUT (OR MS21042-3)
				5	5	MS21042L3	NUT (OR MS21042-3) (OPTIONAL)
4*	4*	5*	5*			MS21042L4	NUT (OR MS21042-4)
16	16	16	16	20	20	MS21042L4	NUT (OR MS21042-4)
				2	2	MS21043L4	NUT (OR MS21043-4)
4*	4*	4*	4*			MS21042L5	NUT (OR MS21042-5)
2	2	2	2			MS21042L5	NUT (OR MS21042-5)
				1	1	MS21071L3	NUTPLATE
				2	2	MS21075L3	NUTPLATE
				1	1	MS21086L3	NUTPLATE

• = ASSEMBLED AT DART

6.0 PARTS LIST HELI-ACCESS-STEP™

Qty -047	Qty -048	Part Number	Description
X		D205-541-047	HELI-ACCESS-STEP, LH
	X	D205-541-048	HELI-ACCESS-STEP, RH
1		D3724-041	STEP ASSY, LH
	1	D3724-042	STEP ASSY, RH
2	2	D3731-1	PLATE
2	2	D3751-1	SHIM
6	6	AN4-13A	BOLT
6	6	AN4-14A	BOLT
24	24	AN960JD416	WASHER
12	12	MS21042L4	NUT (OR MS21042-4)

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7.0 OPTIONAL EQUIPMENT

Qty -049	Part Number	Description
X	D205-541-049	LINER KIT
1	D2446	SIGN PLATE
1	D2509	LINER (BASE)
1	D2511	LINER (END)
6	MS24693S272	SCREW
6	A3235-020-935	WASHER
6	NAS679A3W	NUT
4	MS20470AD4-8	RIVET
42	MS20600AD4W4	RIVET